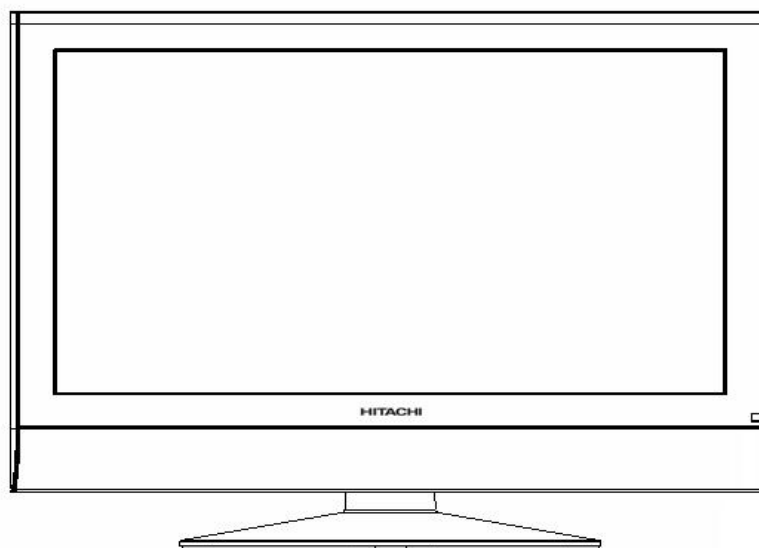


Service Manual



Caution

Be sure to read this manual before servicing. To ensure safety from fire, electric shock, injury, harmful radiation and materials, various measures are provided in this LCD TV.
Be sure to read cautionary items described in the manual before servicing.
These servicing instructions are for use by qualified service personnel only. To reduce the risk of electric shock, do not perform any servicing other than that described in the operating instructions unless you are qualified to do so.

Service Warning

1. Since the Panel Module and the front Filter are made of glass, handling the broken Module and Filter carefully and with caution in order not to receive injury.
2. Replacement work should be started after the Panel Module and the AC/DC Power supply have become sufficiently cool.
3. Special care should be taken when working near the display area in order not to damage its surface.
4. The Panel Module should not be touched with bare hands in order to protect its surface from blemishes and damage.
5. It is recommended that you use clean soft gloves during the replacement work in order to protect not only the display area of the Panel Module but also yourself.

Contents

1. Features -----	3	8. Block Diagram-----	30
2. Specifications-----	4	9. Wiring Block Diagram-----	32
3. Component Names-----	6	10. Circuit Diagram-----	34
4. Service Points-----	11	11. Printed Wiring Board Diagram-----	55
5. Adjustment -----	12	12. Disassembly Diagram-----	60
6. Troubleshooting -----	22	13. Replacement Parts List -----	62
7. Self Diagnosis Function-----	28		

CAUTION FOR SAFETY

Please read this page before repair the LCD TV.

The following safety precautions are designed to help you stay safe and prevent accidents during the repair work.

- Please take note of these cautionary flags.

	Warning	This means " Potential to sustain injury or even death. "
	Caution	This means " Potential to sustain breakage or irreparable damage. "

- Also note these cautionary icons

	This means " CAUTION "
	This means " POTENTIAL ELECTRIC SHOCK "

	This means " MUST "
	This means " DO NOT "

 WARNING	
■ Follow instructions. The cabinet, chassis, and labels are parts that require attention. You must follow the caution notes and safety instructions presented throughout this User Manual to prevent damage to them or injury to yourself. 	■ Must use same types of wires and components. The LCD TV uses special tubes and tapes made from insulated materials. Moreover, some materials are kept from making contact with the PWB for the sake of safety. Internal leads are kept from hot parts or high voltage parts by means of clamps or other measures. As such, you must restore these parts to their original conditions in order to prevent electric shock or fire. 
■ Prevent electric shock. Exercise caution while working on the device as the LCD TV contains high voltage parts and power supply. It is possible to sustain severe injury or death if you accidentally touch the wrong parts. You must disconnect the power supply while servicing, reassembling, or change parts. If you touch a live connection it is possible to sustain severe injury or death. 	■ Perform safety check when done. Every part (such as removed screws, components, and wiring) must be restored to their prior conditions after servicing. Be sure to check everything that was repaired for damage or mistakes. Also measure the insulated impedance with a meg-ohm meter to confirm that the impedance value is more than 4M ohm. If the impedance value is less than 4M ohm, then electric shock or fire may result. 
■ Use recommended components. Use only the recommended components or components that are structurally identical to the originals. This is to ensure safety and reliability. Pay special attention to parts in the parts list and circuit diagrams marked with . If you use non-recommended components, then electric shock or fire may result. 	

PRECAUTIONS

- **Cleaning the LCD TV's LCD screen panel**

Before cleaning the LCD TV, turn it off and disconnect the power plug from the power outlet. To prevent scratching or damaging of the LCD screen face, do not knock or rub the surface with sharp or hard objects. Clean the screen with a soft cloth moistened with warm water and dry with a second soft cloth. If it is not enough, then use a cloth with mild detergent. Do not use harsh or abrasive cleaners.

- **Cleaning the LCD TV's cabinet**

Use a soft cloth to clean the LCD TV's cabinet and control panel. When excessively soiled, dilute a neutral detergent in water, wet and wring out the soft cloth in it, gently clean the cabinet, and then wipe it down with a dry soft cloth.

Never use acid/alkaline detergents, alcoholic detergents, abrasive cleaners, powder soaps, OA cleaners, car wax, glass cleaners, and so on. They will cause discoloration, scratches or cracks.

1. Features

- **Enhanced definition LCD display panel**

The 32 / 37 -inch color LCD display panel, with a resolution of 1366 (H) x 768(V) pixels, creates a widescreen picture. This panel features a thin form factor and can be hung on a wall with an optional wall mounting kit.

- **High Performance Digital Processor**

This panel displays a wide range of personal computer signals from 640 x 480, 800 x 600 SVGA to 1280 x 768 WXGA.(RGB Analog input).

- **Easy-to-use remote control and on-screen display system**

The included remote control operates all LCD TV functions. Furthermore, the on-screen display system shows the status of the control settings in an easy-to-view fashion.

- **Power saving system**

When connected to a VESA DPMS-compliant PC, the LCD TV cuts its power consumption while idle.

2. 32 / 37 HDL52 Specifications

Panel	Display dimensions	32HDL52: Approx. 31.51 inches (697.685 (H) x 392.256 (V) mm, diagonal 800.4mm) 37HDL52: Approx. 37.02 inches (819.6(H) x 460.8 (V) mm, diagonal 940.3mm)
	Resolution	1366 (H) x 768 (V) pixels
Net dimensions		32HDL52: 8125(W) x 6642 (H) x 350(D) mm (With Base) 37HDL52: 9395 (W) x 7357 (H) x 350(D) mm (With Base)
Net weight		32HDL52: 27.8 kg (With Base) 37HDL52: 32.8 kg (With Base)
Ambient conditions	Temperatur	Operating: 5°C to 35°C, Storage: -15°C to 50°C
	Relative Humidity	Operating: 20% to 80%, Storage: 20% to 90% (non-condensing)
Power supply		AC120V @ 60Hz
Power consumption / at standby		32HDL52: 145W / <1W 37HDL52: 165W / <1W
Audio output		Build in 10W + 10W
(RGB input)		
Analog RGB signals	Input terminals	RGB1-VGA audio input terminal (3.5mm Stereo Mini Jack) RGB1-VGA analog RGB input terminal (D-sub 15-pin)
	Video signals	0.7 V
	Sync signals	H/V separate, TTL level [2kΩ] H/V composite, TTL level [2kΩ] Sync on green, 0.3 Vp-p [75Ω]
Digital RGB signals	Input terminals	RGB1-VGA audio input terminal (3.5mm Stereo Mini Jack) DVI connector
	Input terminals	RGB1-VGA audio input terminal (3.5mm Stereo Mini Jack) Ingle pixel 24 bit support up to 110 MHz (DVI-D)
	Input impedance	75Ω
Recommended signal		1024 x 768 at 60Hz
(Video input)		
Input signals	Input terminals	AV1 : Component input (Y-P _B P _R /Y-CbCr) (RCA) AV1 : L/R audio input terminal(RCA)AV1 : L/R audio input terminal(RCA) AV2 : Component input (Y- P _B P _R /Y-CbCr) (RCA) AV2 : L/R audio input terminal(RCA)AV1 : L/R audio input terminal(RCA) AV3 : Composite video input terminal(RCA) AV3 : S video input teminal AV3 : L/R audio input terminal(RCA) AV4 : Composite video input terminal(RCA) AV4 : S video input teminal AV4 : L/R audio input terminal(RCA)
	Video signals	AV1 : NTSC-M AV2 : NTSC-M AV3 : NTSC-M AV4 : NTSC-M
Video output Signal		OUTPUT(LCD TV): composite video output terminal (RCA)-----for NTSC or DTV S-Video output terminal (RCA)-----for DTV OUTPUT(LCD TV): L/R audio LCD TV- output terminal (RCA)---for both NTSC and DTV
Recommended signal		1024 x 768 at 60Hz
(TV RF input)		
Input signals	Input terminals	1. Analog RF input terminal (NTSC) 2. Digital RF input terminal (DTV)
Swivel base		30 ° (Left & Right)

- It takes at least 30 minutes to attain the maximum picture quality.

Applicable video signals for each input terminal

Signal Type Terminal	RCA			D-sub	DVI	Remarks
	Composite	S-video	component	RGB	RGB	
AV1			○			480i/480p/1080i/720p inputs (NTSC).
AV2			○			480i/480p/1080i/720p inputs (NTSC).
AV3	○	○				
AV4	○	○				
RGB				○		
DVI					○	

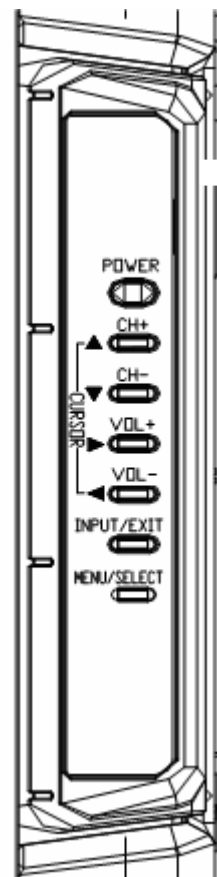
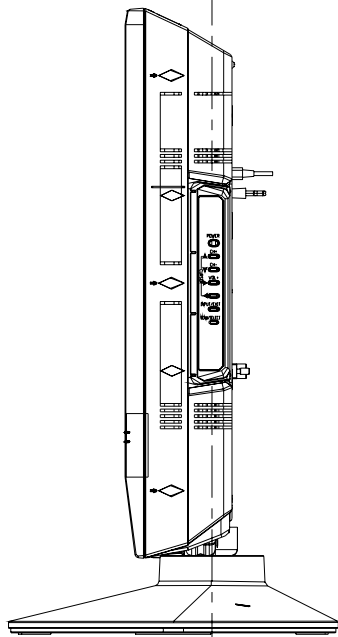
(O: Available)

3..Component names

➤ [Main unit]

Control panel

- An Adjustment buttons are located on the side of the control panel
- Indications for each button's function can be found on the inside of the control panel cover.



1. POWER

2. CH ▲

2. UP ▲

3. CH ▼

3. DOWN ▼

4. VOL ►

4. RIGHT ►

5. VOL ◄

5. LEFT ◄

6. INPUT

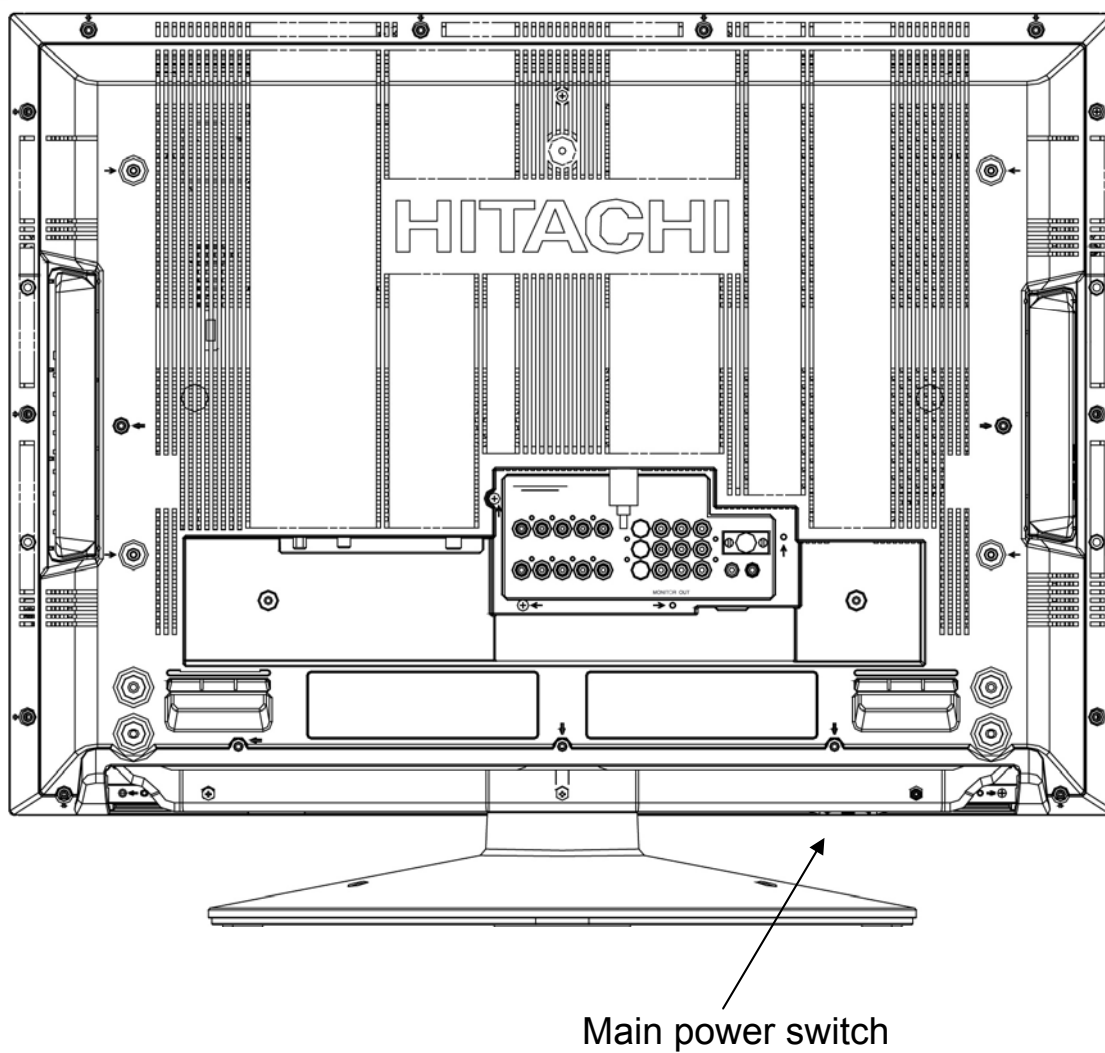
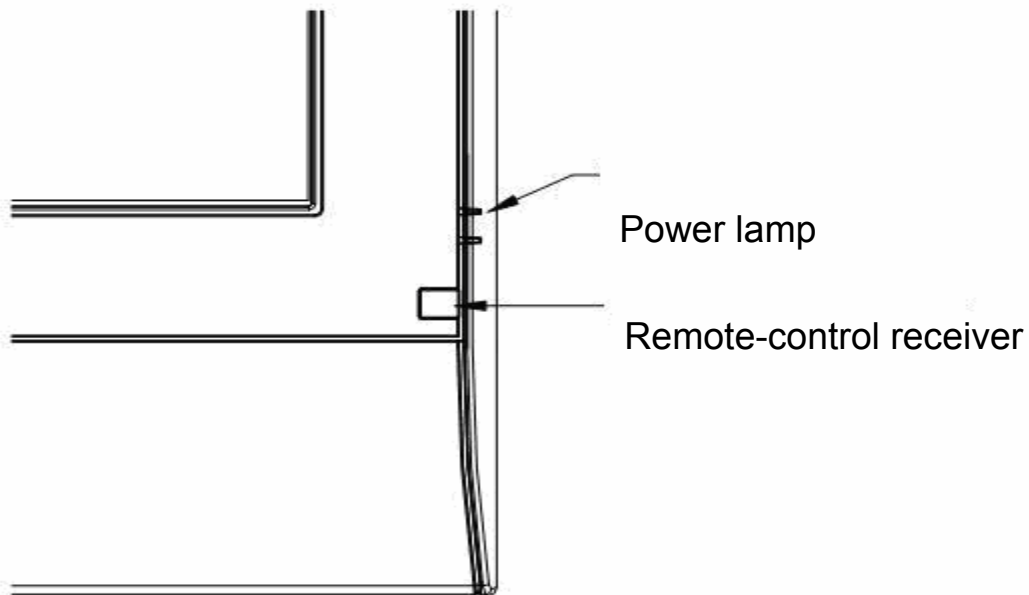
6.EXIT

7.MENU

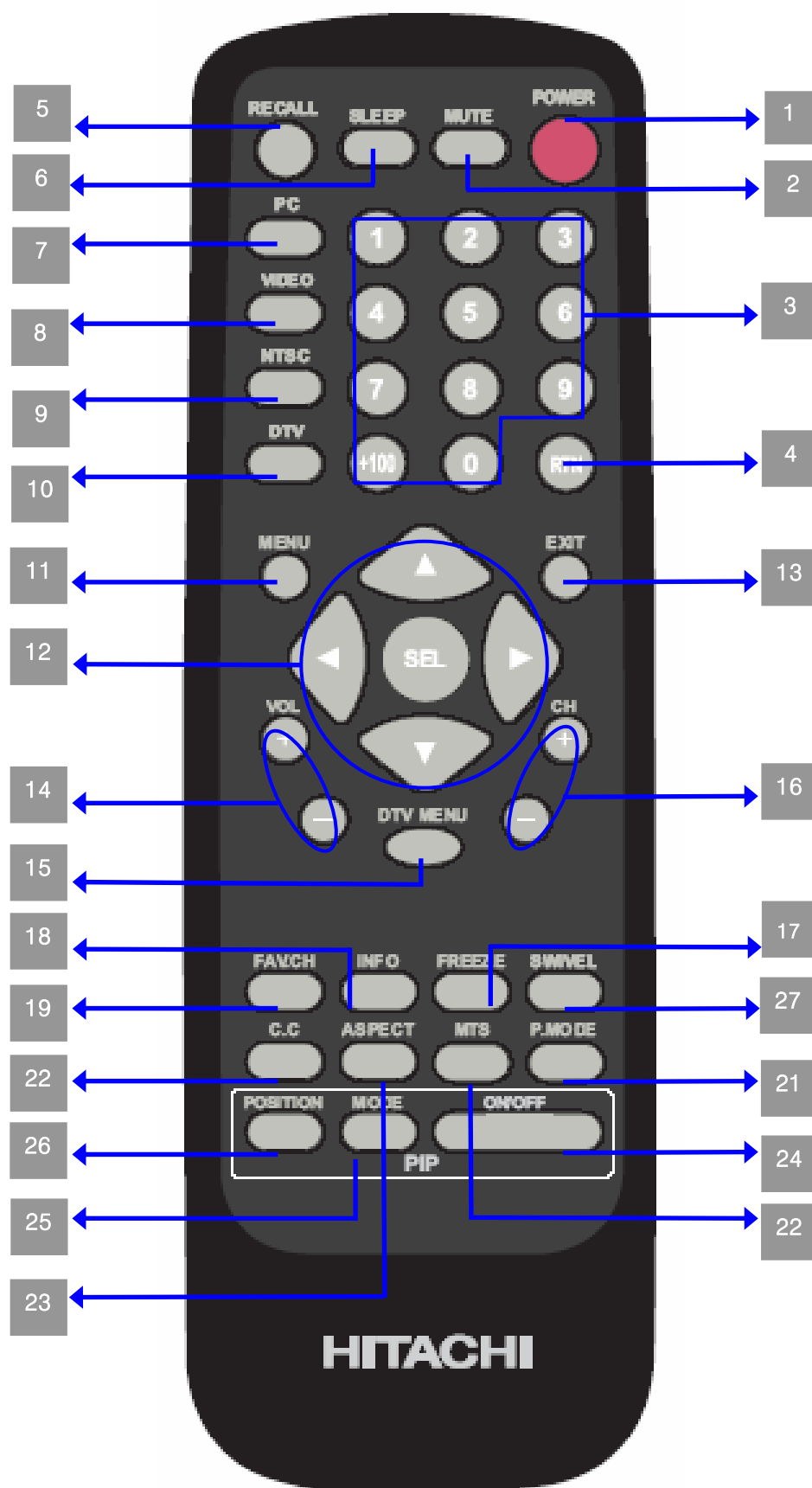
7.SELECT

Normal Button Action

Button Action when MENU engaged



The main power switch is located at the right side bottom if from back view



1. **Power button:** Press this button to turn the display set on or off.
2. **Mute button:** Press to mute audio.
3. **Channel selector buttons:** Select channel number.

4. **Return button:**
 - A. Press to return previous TV channel state in standard TV mode.
 - B. Press to return previous OSD menu when the OSD menu opening.
5. **RECALL button:** Press to display source input signal on the display.
6. **SLEEP button:** Press to set sleep mode timer. There is 30 minutes, 60 minutes, 90 minutes, 120 minutes and turn off to select.
7. **PC Source buttons:** Set up the input source PC; PC parts include DVI-D / D-SUB.
8. **VIDEO Source buttons:** Set up the input source of Video; Video parts include Video1 (Y1P_B1P_R1), Video2 (Y2P_B2P_R2), Video3 (AV1 / SV1), Video4 (AV2 / SV2). If both SV and AV had signal input at the same time, the SV has priority output.
9. **NTSC Source buttons:** Set up the input source of NTSC; NTSC parts include CATV / AIR.
10. **DTV Source buttons:** Set up the input source of DTV Mode.
11. **Menu button:** Turn on OSD (On-Screen Display) menu.
12. **Direction buttons:**
 - A. (**▲/▼/◀/▶/SEL**): All the OSD features can be set or adjusted by using these buttons; it will highlight functions or adjust and set different features. Press it to toward desired direction and press the SEL button to select. (You can notice that the OSD prompt message to through theses key operation)
 - B. (**▲/▼**): In PIP mode, Press "▲" or "▼" keys to select which display window will be changed. Meanwhile, the speaker icon will be displayed on selected display window. User can change input video source on selected display window by pressing remote controller source keys.
 - C. (**◀/▶**): In POP mode, Press "◀" or "▶" keys to select which display window will be changed. Meanwhile, the speaker icon will be displayed on selected display window. User can change input video source on selected display window by pressing remote controller source keys.
 - D. (**◀/▶**): Press "◀" key to turn swivel left and press "▶" key to turn swivel right while OSD indicator for swivel is displayed on TV screen.
13. **Exit button:** This button will exit all OSD.
14. **Volume (+/-) button:** Press to select the desired volume.
15. **DTV Menu:** Turn on DTV OSD (On-Screen Display) menu in DTV Mode.
16. **Channel (+/-) button:** Press to select the desired channel.
17. **Freeze buttons:** Pause the image in DTV Mode.
18. **INFO button:** Switch between Viewing mode, Channel Banner, and Channel Banner with Extended in DTV Mode.
19. **FAV.CH:** Switch to favorite channel in DTV Mode.
20. **C.C. button:** Press to turn on/off TV Closed Caption.
21. **P. Mode button:** Select picture status, they are Dynamic, Natural, Game and Cinema.
22. **MTS button:** Press to set sound mode, they are Stereo, SAP and Mono.
23. **Aspect button:** Press repeatedly to change image to different aspects. Aspects include 4:3 STANDARD, 4:3 EXPANDED, 4:3 ZOOM1, 4: 3 ZOOM2, 16:9 STANDARD, 16:9 ZOOM.

Multi picture function buttons:

24. **ON / OFF:** Press to turn on/off multi picture function.
25. **Mode:** Press to select POP or PIP mode.
26. **Position:** When multi picture mode set on PIP mode, press the button to change sub picture position.
27. **Swivel function :** Press swivel key
 After pressing swivel key on the remote, OSD indicator will display on TV screen.
 The OSD indicator will disappear, if stop manipulating remote in 15 seconds.
 Adjust swivel by pressing direction button
 Press left key to turn swivel left and press right key to turn swivel right.
 The rotation angle of swivel is ± 30 degree.

Attention:

To prevent children from getting injury by operating the swivel, please turn off the swivel function.

4. Service points

● Lead-free solder

This product uses lead-free solder (unleaded) to help protect the environment. Please read these instructions before attempting any soldering work.

Caution: Always wear safety glasses to prevent fumes or molten solder from getting into the eyes. Lead-free solder can splatter at high temperatures (600°C).

■ Lead-free solder indicator

Printed circuit boards using lead-free solder are engraved with an "F."

■ Properties of lead-free solder

The melting point of lead-free solder is 40-50°C higher than leaded solder.

■ Servicing solder

Solder with an alloy composition of Sn-3.0Ag-0.5Cu or Sn-0.7Cu is recommended. Although servicing with leaded solder is possible, there are a few precautions that have to be taken. (Not taking these precautions may cause the solder to not harden properly, and lead to consequent malfunctions.)

Precautions when using leaded solder

- Remove all lead-free solder from soldered joints when replacing components.
- If leaded solder should be added to existing lead free joints, mix in the leaded solder thoroughly after the lead-free solder has been completely melted (do not apply the soldering iron without solder).

■ Servicing soldering iron

A soldering iron with a temperature setting capability (temperature control function) is recommended.

The melting point of lead-free solder is higher than leaded solder. Use a soldering iron that maintains a high stable temperature (large heat capacity), and that allows temperature adjustment according to the part being serviced, to avoid poor servicing performance.

Recommended soldering iron:

- Soldering iron with temperature control function (temperature range: 320-450°C)

Recommended temperature range per part:

Part	Soldering iron temperature
Mounting (chips) on mounted PCB	320°C±30°C
Mounting (chips) on empty PCB	380°C±30°C
Chassis, metallic shield, etc.	420°C±30°C

The PWB assembly which has used lead free solder

- (1) IR PWB, KEY PWB, SW PWB, 2* I/O PWB
- (2) MAIN PWB
- (3) POWER BOARD

5.Adjustment

5.1 SERVICE (FACTORY) MODE ACCESS

This model has a Factory Mode, where the technician can access and adjust some of the color temperature settings. The Factory Mode has several different appearances, depending on the input signal.

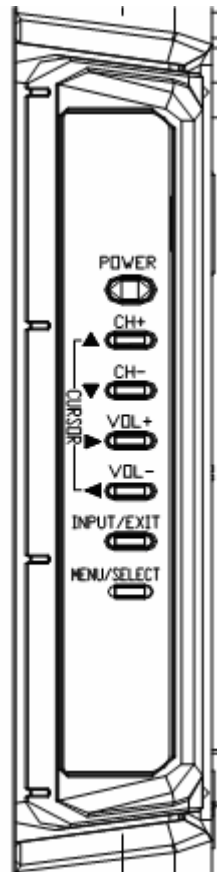
Picture Setting for Factory Mode	
Table 1	NTSC : TV
Table 2	AV (composite)
Table 3	SV(S-Video)
Table 4	Component: 480i
Table 5	Component: 480p
Table 6	component: 1080i(60)
Table 7	component: 720p(60)
Table 8	PC: VGA
Table 9	PC:DVI

Preliminary

1. To access the Factory Mode, the LCD TV must be running.

Procedure

2. Press and hold the #3 and #4 button (CHANNEL ▼ and VOLUME▲).
3. While continuing to hold the #3 and #4 button, press and hold the #1 button (POWER).
4. After both buttons have been held down for five (5) seconds, first release the #1 button, then release the #3 and #4 button.
5. As stated previously, the input that the LCD TV had selected at the time will determine which actual FACTORY MODE display will show up. (See below)

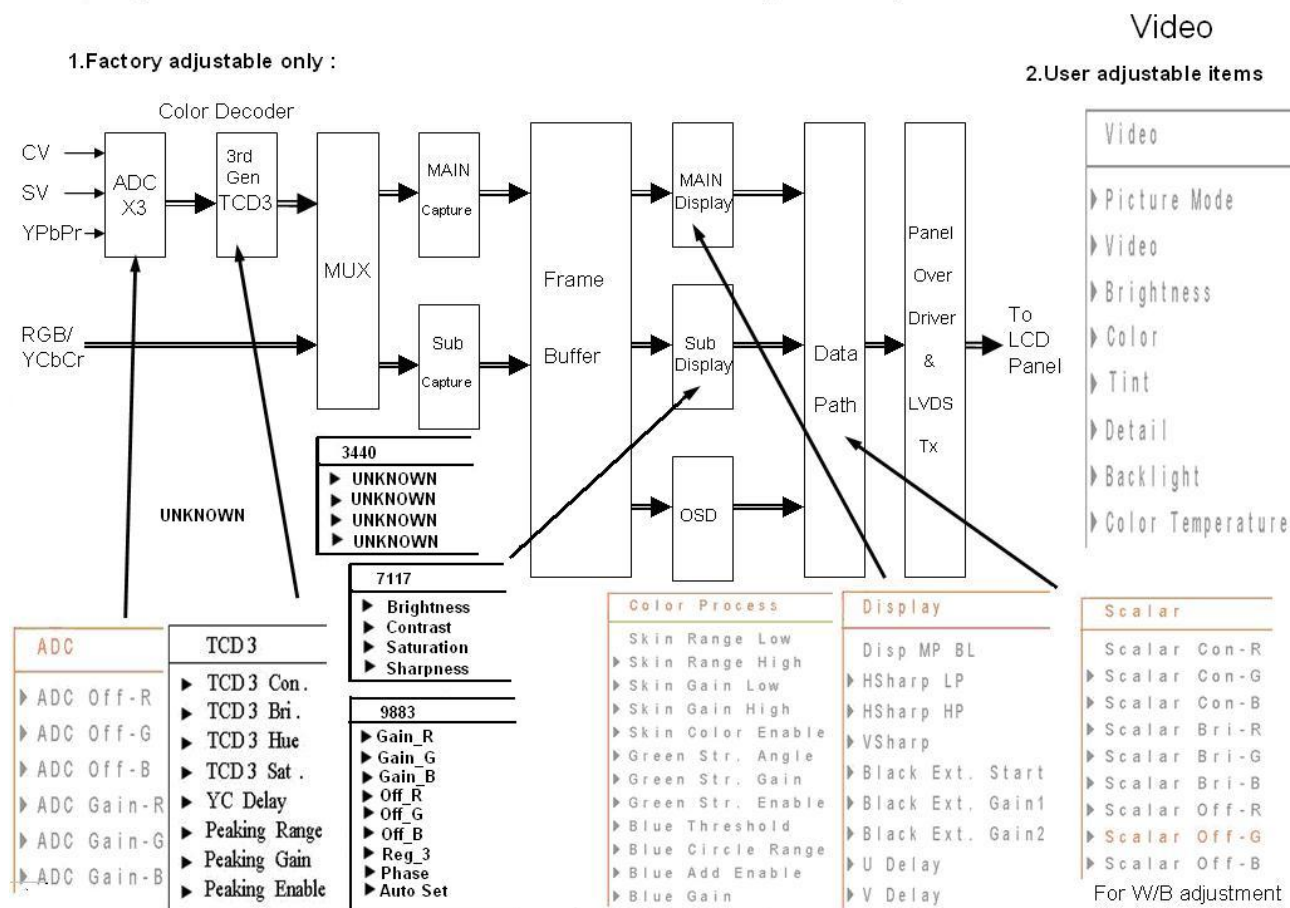




● FACTORY MODE NAVIGATION

To navigate through the different menu items, use the ▲ or ▼ button on the remote control. The menu items will be high-lighted green as navigation occurs. To access a particular adjustment parameter, use the “ENTER” button on the remote control, which will cause a new menu to appear. To back up from the FACTORY MODE, use the RETURN or EXIT button on the remote control. To leave the FACTORY MODE, press POWER button on the remote control.

32”,37” Hitachi Model use Trident chassis adjustment



<u>Menu</u>	Function	Description
<u>Video</u>		
—	Picture Mode	OSD menu video mode default setting
—	Video	Display Contrast adjustment (Back- end)
—	Brightness	Display Brightness adjustment (Back- end)
—	Tint	Display Hue adjustment (Back- end)
—	Color	Display Saturation adjustment (Back- end)
—	Detail	Display Sharpness adjustment (Back- end)
—	Backlight	LCD backlight control (Back- end)
—	Color Temperature	Color temperature default setting (High or Low)
<u>ADC</u>		
—	ADC Off - R	ADC input signal offset adjustment (R/Pr) , For D2 ~ D4 and PC only
—	ADC Off - G	ADC input signal offset adjustment (G/Y) , For D2 ~ D4 and PC only
—	ADC Off - B	ADC input signal offset adjustment (B/Pb) , For D2 ~ D4 and PC only
—	ADC Gain - R	ADC input signal gain adjustment (R/Pr) , For D2~ D4 and PC only
—	ADC Gain - G	ADC input signal gain adjustment (G/Y) , For D2 ~ D4 and PC only
—	ADC Gain - B	ADC input signal gain adjustment (B/Pb) , For D2 ~ D4 and PC only
<u>TCD3</u>		
—	TCD3 Con.	Video decoder contrast adjustment (Front- end)
—	TCD3 Bri.	Video decoder brightness adjustment (Front- end)
—	TCD3 Hue	Video decoder Hue adjustment (Front- end)
—	TCD3 Sat.	Video decoder Cr Saturation adjustment (Front- end)
—	TCD3 Sat.	Video decoder Cb Saturation adjustment (Front- end)
—	YC Delay	Video decoder YC delay adjustment (Front- end)
—	Peaking Range	Video decoder sharpness peaking range (Front- end) $Y_{peak} = Y + YH * (peak\_gain/peak\_range)$ where Y is the luma and YH is the high frequency luma only
—	Peaking Gain	Video decoder sharpness peaking gain (Front- end)
—	Peaking Enable	Video decoder sharpness peaking function enable (Front- end)

<u>Scalar</u>		
—	Scalar Con - R	Output R contrast factor adjustment (color temperature function) Output R = (('Output R + (Scalar Off-R)) * (Scalar Con-R) + (Scalar Bri-R)
—	Scalar Con - G	Output G contrast factor adjustment (color temperature function) Output G = (('Output G + (Scalar Off-G)) * (Scalar Con-G) + (Scalar Bri-G)
—	Scalar Con - B	Output B contrast factor adjustment (color temperature function) Output B = (('Output B + (Scalar Off-B)) * (Scalar Con-B) + (Scalar Bri-B)
—	Scalar Bri - R	Output R brightness factor adjustment (color temperature function)
—	Scalar Bri - G	Output G brightness factor adjustment (color temperature function)
—	Scalar Bri - B	Output B brightness factor adjustment (color temperature function)
—	Scalar Off - R	Output R offset factor adjustment (color temperature function)
—	Scalar Off - G	Output G offset factor adjustment (color temperature function)
—	Scalar Off - B	Output B offset factor adjustment (color temperature function)
<u>Display</u>		
—	Disp MP BL	Display sharpness band pass gain of peaking adjustment (Back- end) , OSD sharpness adjustment item
—	HSharp LP	Display sharpness low pass gain of peaking adjustment (Back- end)
—	Hsharp HP	Display sharpness high pass gain of peaking adjustment (Back- end) , OSD sharpness adjustment item
—	Vsharp	Display Vertical sharpness adjustment (Back- end)
—	Black Ext. Start	Black stretch start-point control factor. Higher value means more black stretch (Back- end)
—	Black Ext. Gain1	Black stretch gain1
—	Black Ext. Gain2	Black stretch gain2
—	U Delay	Display U delay (comparing with Y)
—	V Delay	Display Y delay (comparing with V)

<u>Color Process</u>		
—	Skin Range Low	Skin color adjustment active range low
—	Skin Range High	Skin color adjustment active range high
—	Skin Gain Low	Skin color adjustment gain of range low
—	Skin Gain High	Skin color adjustment gain of range high
—	Skin Color Enable	Skin color adjustment function enable
—	Green Str. Angle	Green stretch active range (UV domain green color active angle)
—	Green Str. Gain	Green stretch gain
—	Green Str. Enable	Green stretch function enable
—	Blue Threshold	Blue add function active threshold
—	Blue Circle Range	Blue add function active range
—	Blue Add Enable	Blue add function enable
—	Blue Gain	Blue add gain
<u>9883</u>		
—	Gain - R	input signal gain adjustment
—	Gain - G	input signal gain adjustment
—	Gain - B	input signal gain adjustment
—	Off - R	input signal offset adjustment
—	Off - G	input signal offset adjustment
—	Off - B	input signal offset adjustment
—	Reg-3	
—	phase	Phase adjustment
—	Auto Set	
<u>7117</u>	Brightness	Sub Display Brightness adjustment
—	Contrast	Sub Display Contrast adjustment
—	Saturation	Sub Display Saturation adjustment
—	Sharpness	Sub Display Sharpness adjustment
—	Hue	Sub Display Hue adjustment
<u>3440</u>	Unknown	Unknown

● COLOR TEMPERATURE ADJUSTMENTS

Following the procedures to make the color temperature adjustments. Note that a colorimetry meter (such as a Minolta CA-210) is required to measure the actual screen color temperature.

Low : $x=0.285 \pm 0.01$, $y=0.293 \pm 0.01$ = Color Temp.: 9300K

High : $x=0.272 \pm 0.01$, $y=0.278 \pm 0.01$ = Color Temp.: 12000K

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5.3 Reset

This model has a Reset Mode, where the technician can initial the EEPROM.

Preliminary

1.To access the Reset Mode, the LCD TV must be running.

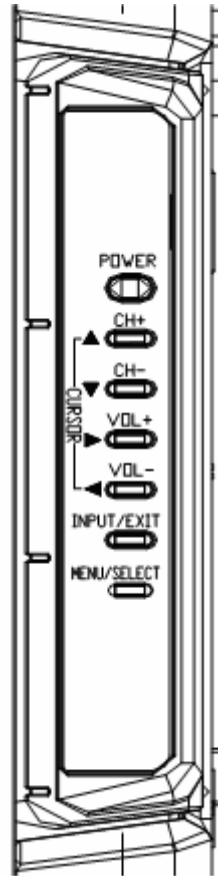
Procedure

2.Press and hold #5 button (VOLUME▼).

3.While continuing to hold the #5 , press and hold the #1 button (POWER).

4.After both buttons have been held down for five (5) seconds, first release the #1 button, then release the #5 button.

5.As stated previously, the input that the LCD TV had selected at the time will determine which actual Reset display will show up. (See below)

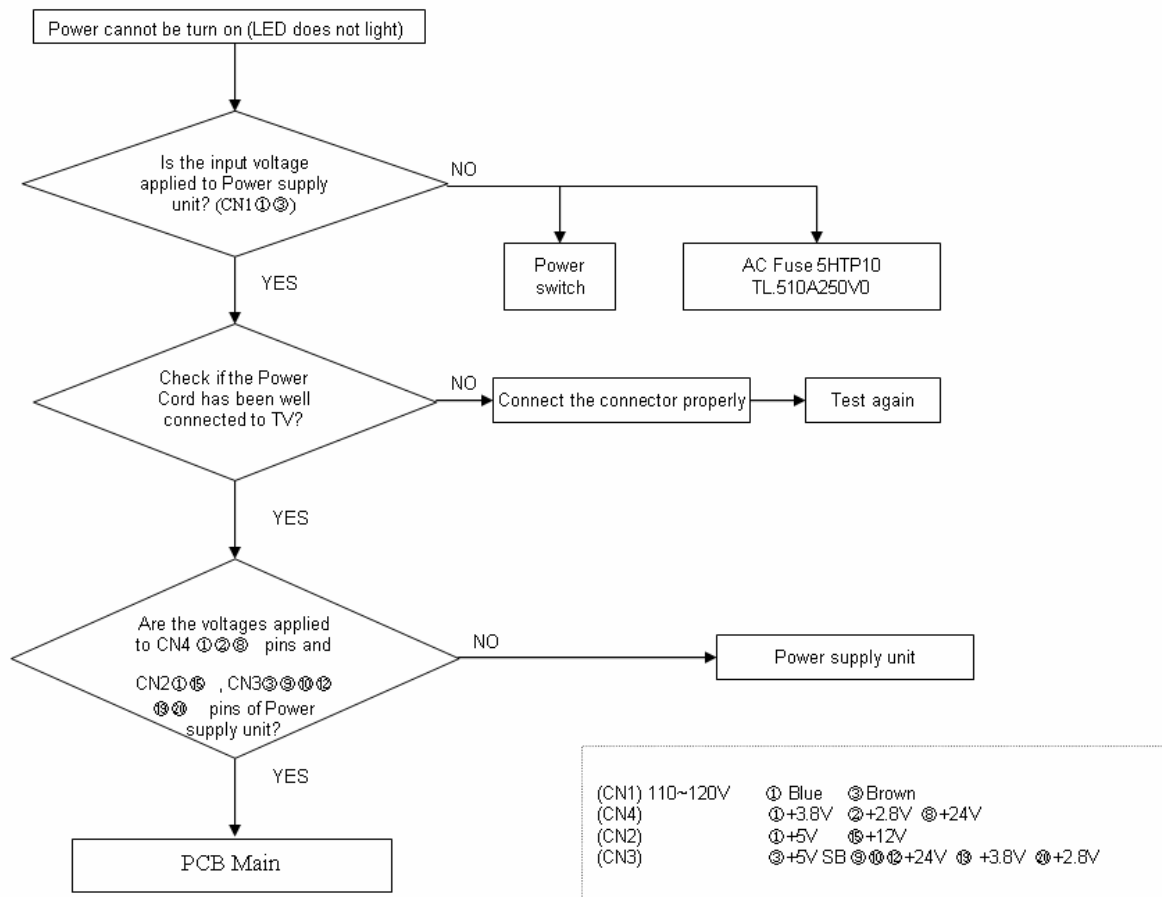


RESET_DONE

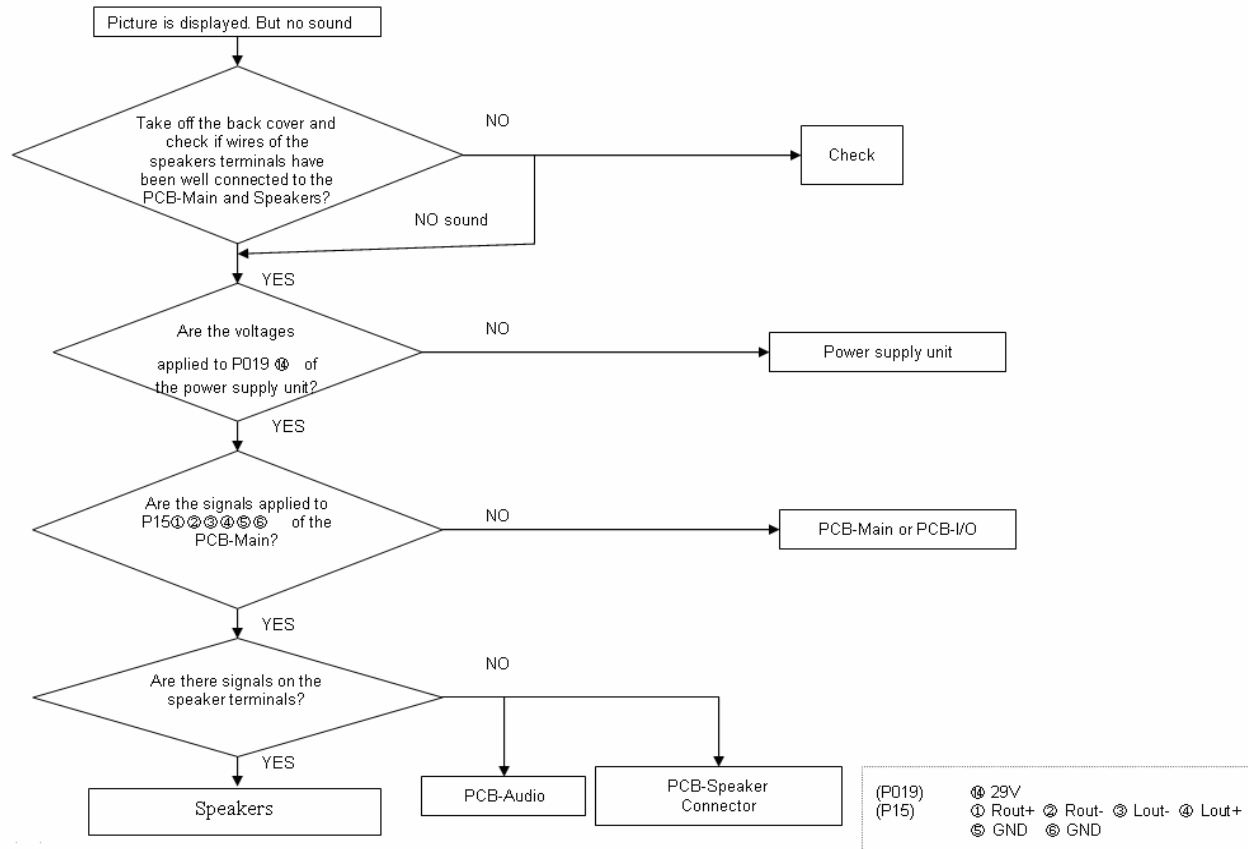
6.Troubleshooting

The flow chart shown below will help you to troubleshoot your LCD TV set with it doesn't display normally. Each procedure offers a simple way to check for system errors. Before starting, ensure that there is a signal in and that the LCD TV is turned on.

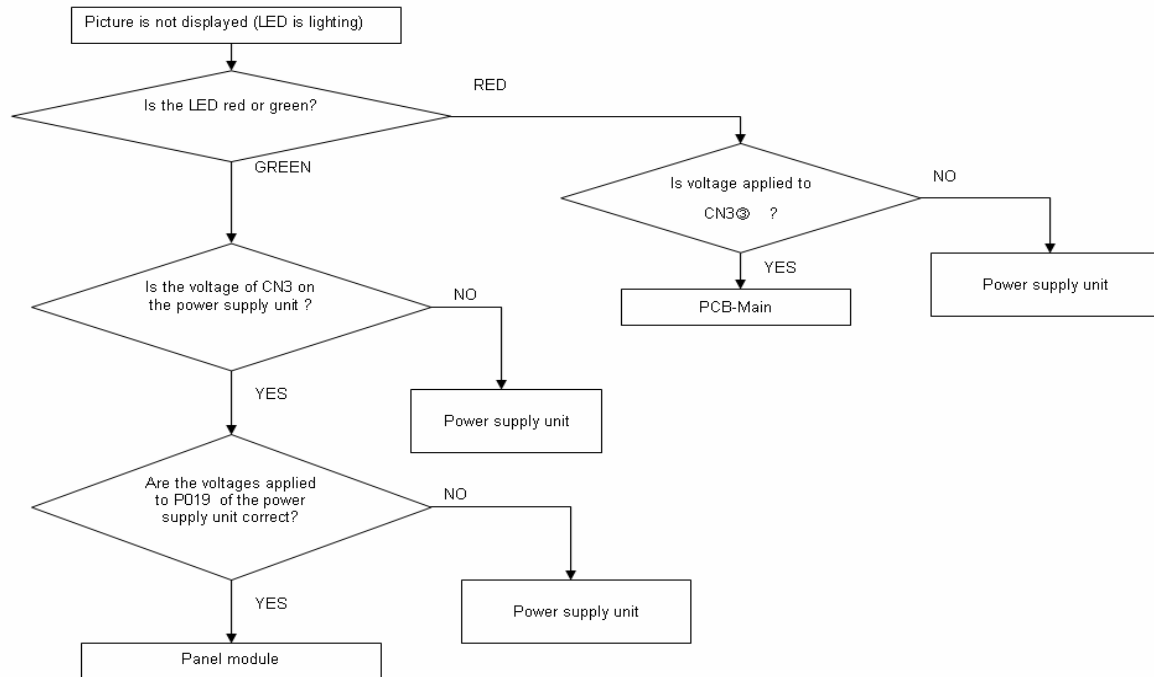
• Power Turn On Issue



• No Sound Issue

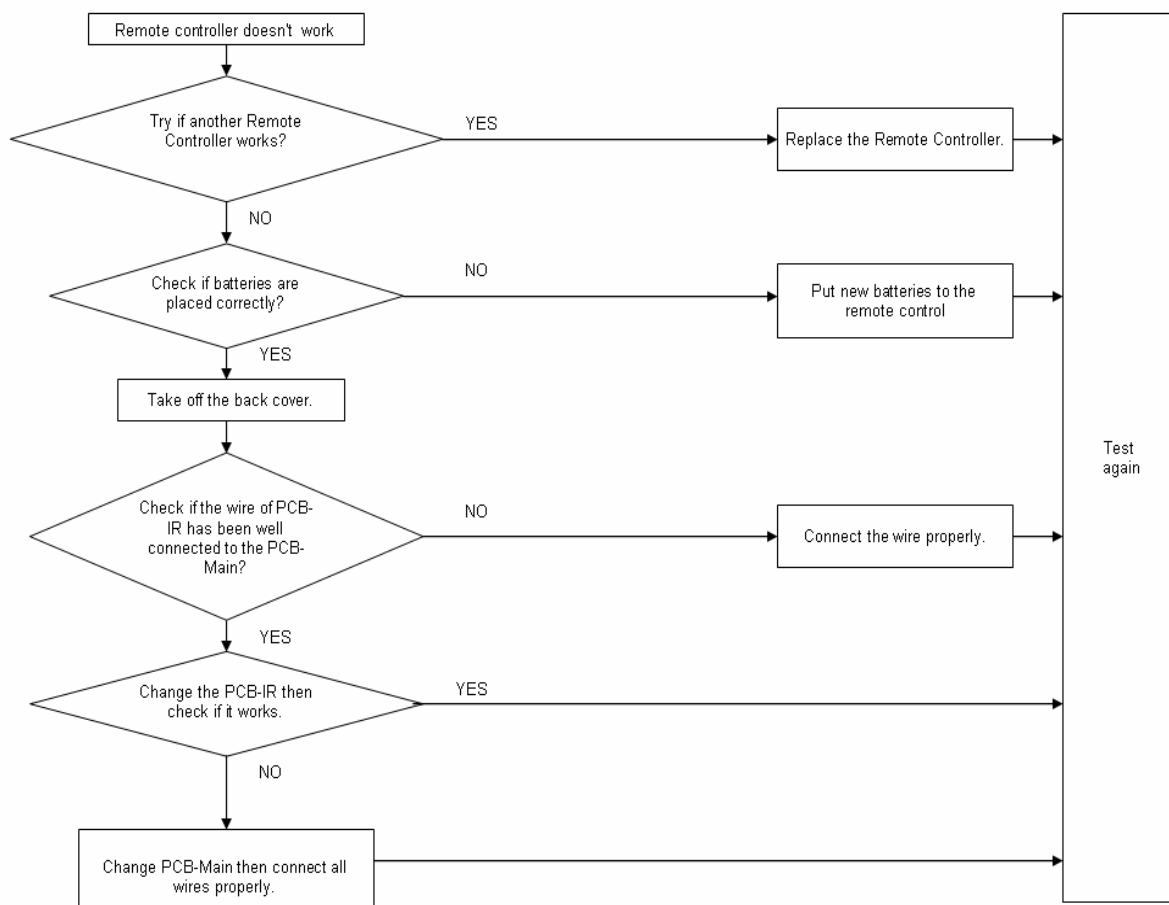


• No Picture Issue

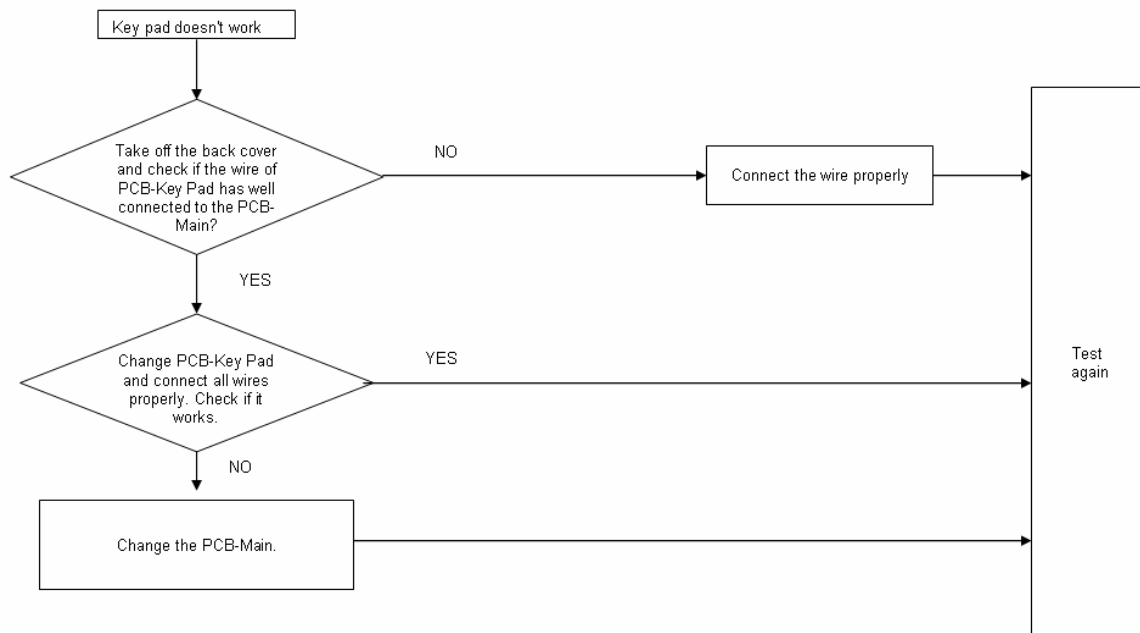


(CN3) Ⓜ +3.8V Ⓜ +5V SB Ⓜ +5V
(P019) Ⓜ +5V SB Ⓜ +3.8V

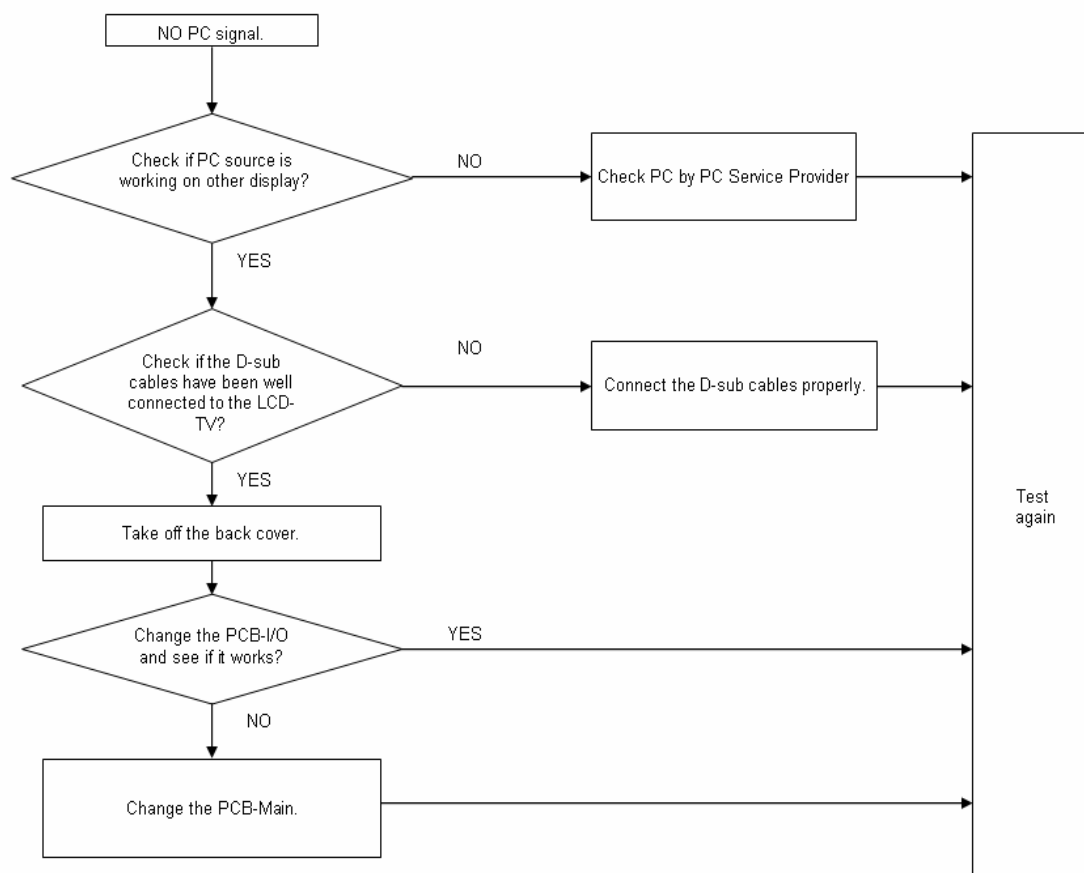
• Remote Control doesn't Work



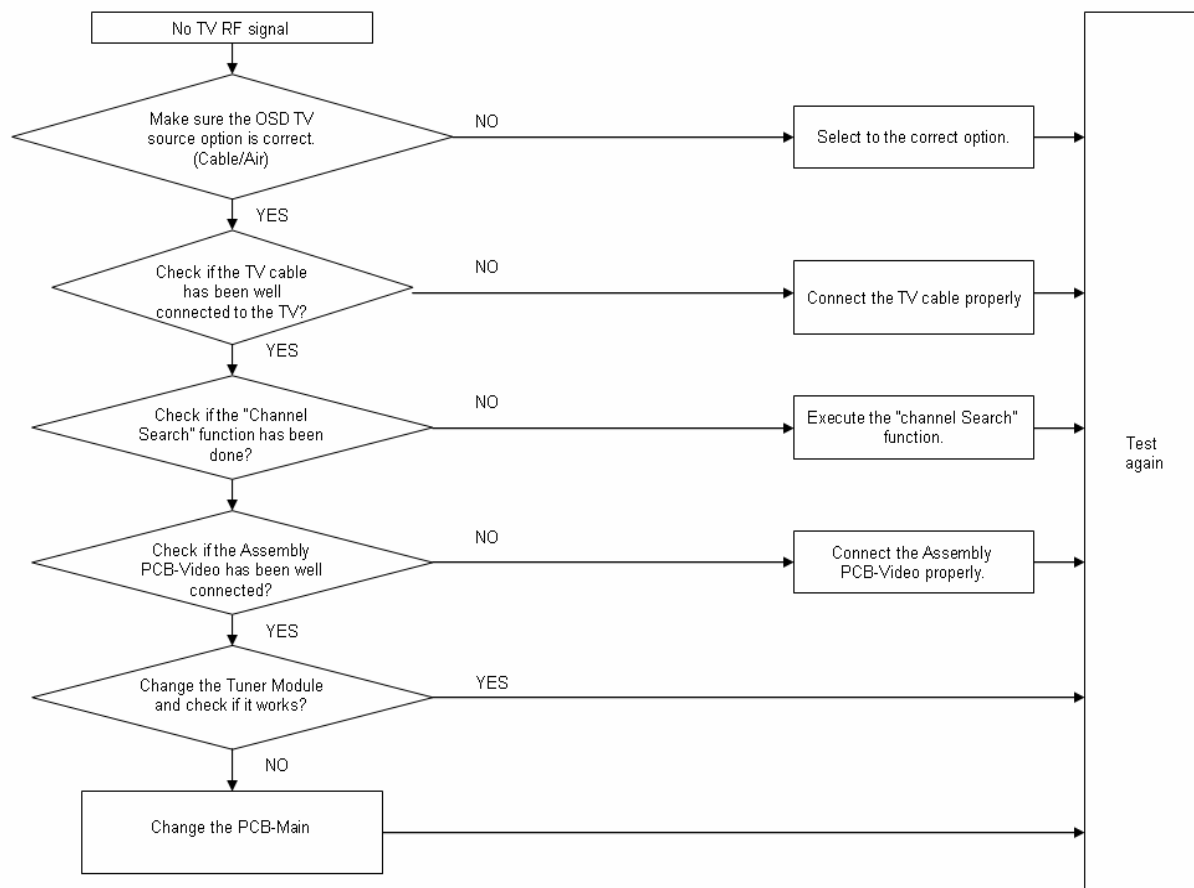
• Key Pad doesn't Work



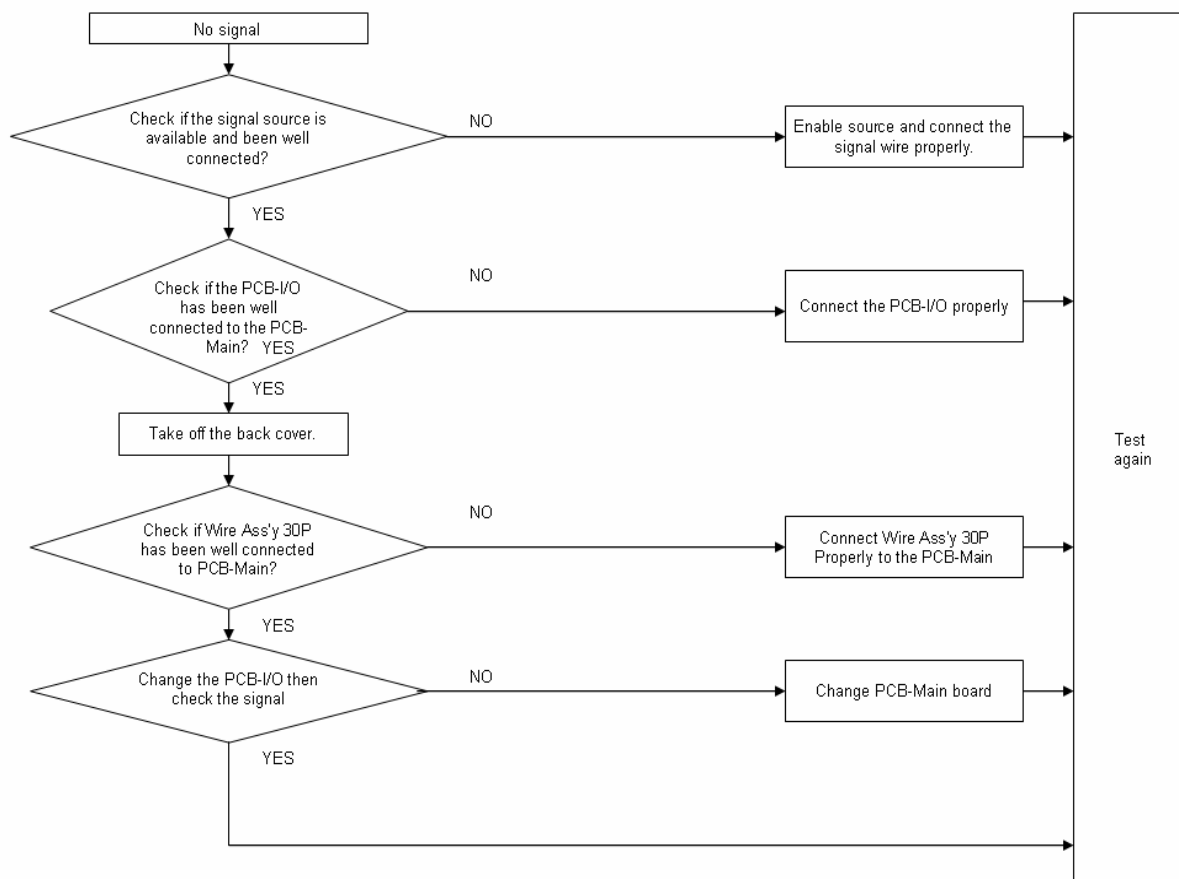
• No PC Signal (Analog RGB)



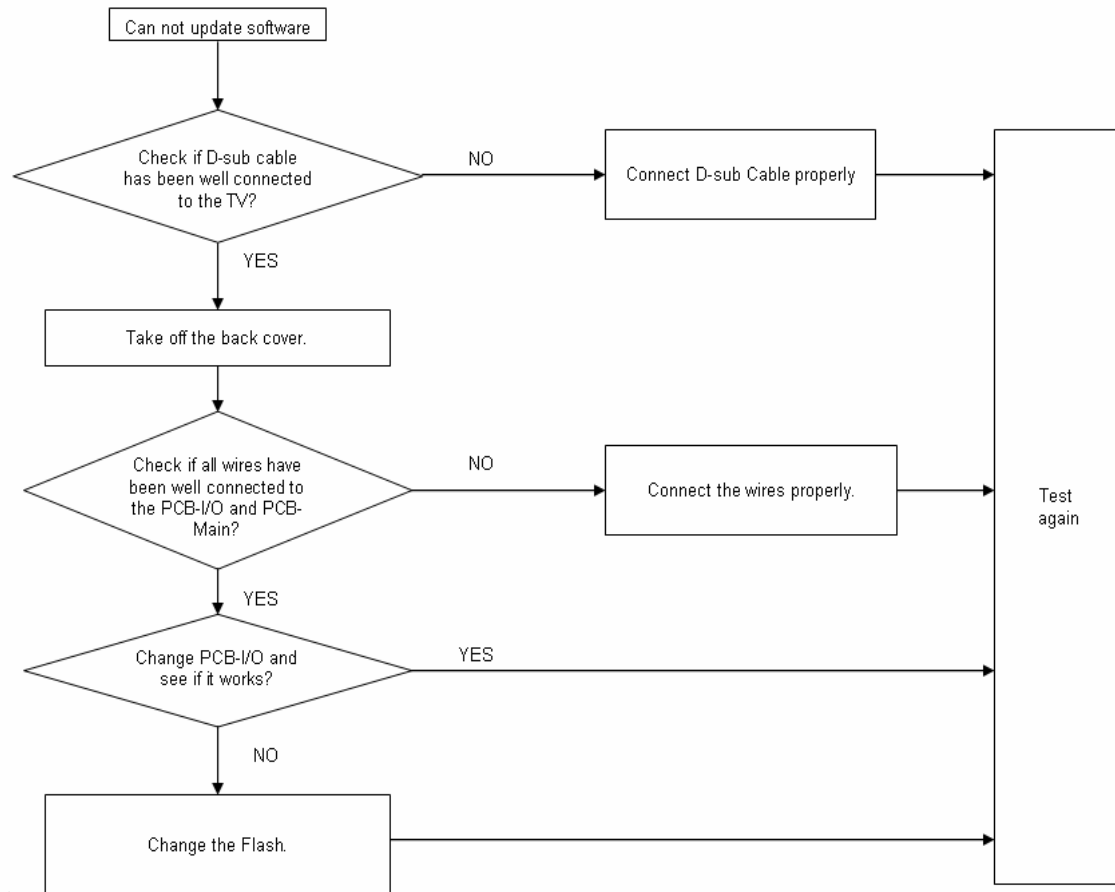
• TV RF Source no Signal



• No Signal Issue (Composite, Component)



- **Software can't be updates**



7. Self Diagnosis Function

If a problem arises while you are using the TV, please read this self diagnosis function guide carefully before you ask to have the TV repaired. You may be able to fix it easily by yourself. For example, if the mains plug is disconnected from the mains outlet, or the TV aerial has problems, you may think there is a problem with the TV itself.

Important:

- This self diagnosis function guide only covers problems whose causes are not easy to decide. If you have a question when you are operating a function, read the page(s) for that function carefully, not this self diagnosis function guide.
- If you follow the advice in this self diagnosis function guide without any success, unplug the mains plug and ask your TV to be repaired. Do not attempt to repair the TV by yourself or to remove the rear cover of the TV.

If you cannot turn on the TV:

- Are the AC plug on the power cord from the TV is connected to AC outlet?
- Make sure to set the VCR/TV/DVD switch to the TV position. You cannot turn the TV on when the VCR/TV/DVD switch is set to the VCR or DVD position.

Poor picture:

- If noise totally blocks out the picture, there may be a problem with the aerial or the aerial cable. Check the following to try to solve the problem:
 - Have the TV and aerial been connected properly?
 - Has the aerial cable been damaged?
 - Is the aerial pointing in the right direction?
 - Is the aerial itself faulty?
- If the TV or aerial suffers interference from other equipment, stripes or noise may appear in the picture. Move any equipment such as an amplifier, personal computer, or a hair drier, that can cause interference away from your TV. Or try moving the TV. If the aerial suffers interference from a radio tower or high-voltage wire, please contact your local dealer.
- If the TV suffers interference from signals reflecting from mountains or buildings, double-pictures (ghosting) will occur. Try to change the aerial's direction or replace it with one with better directionality.
- Have the COLOR and BRIGHT settings been adjusted properly? Follow the description "PICTURE ADJUSTMENT" to try to adjust them properly.
- Videotaping teletext is not recommended because it may not record correctly.
- When viewing images from commercially available video software products, or videos from videotapes which have been recorded improperly, the top of the image may be distorted. This is due to the condition of the video signal. There is nothing wrong with the TV.

Poor sound:

- Have you adjusted BASS or TREBLE properly? If not, follow the description “SOUND ADJUSTMENT”.

If the TV does not respond to the remote control:

- Have the batteries of the remote control worn out? Follow the description “PUTTING THE BATTERIES INTO THE REMOTE CONTROL” and replace them with new batteries.
- Have you attempted to use the remote control from the sides or rear of the TV or from more than seven meters away from the TV? Use the remote control in the front of your TV or from less than seven meters away.
- If the TV suddenly stops responding, disconnect the power cord of the TV from the AC outlet. Connect them to the AC outlet again to turn on the TV. If the TV returns to a normal state, it is not a failure.

Other concerns:

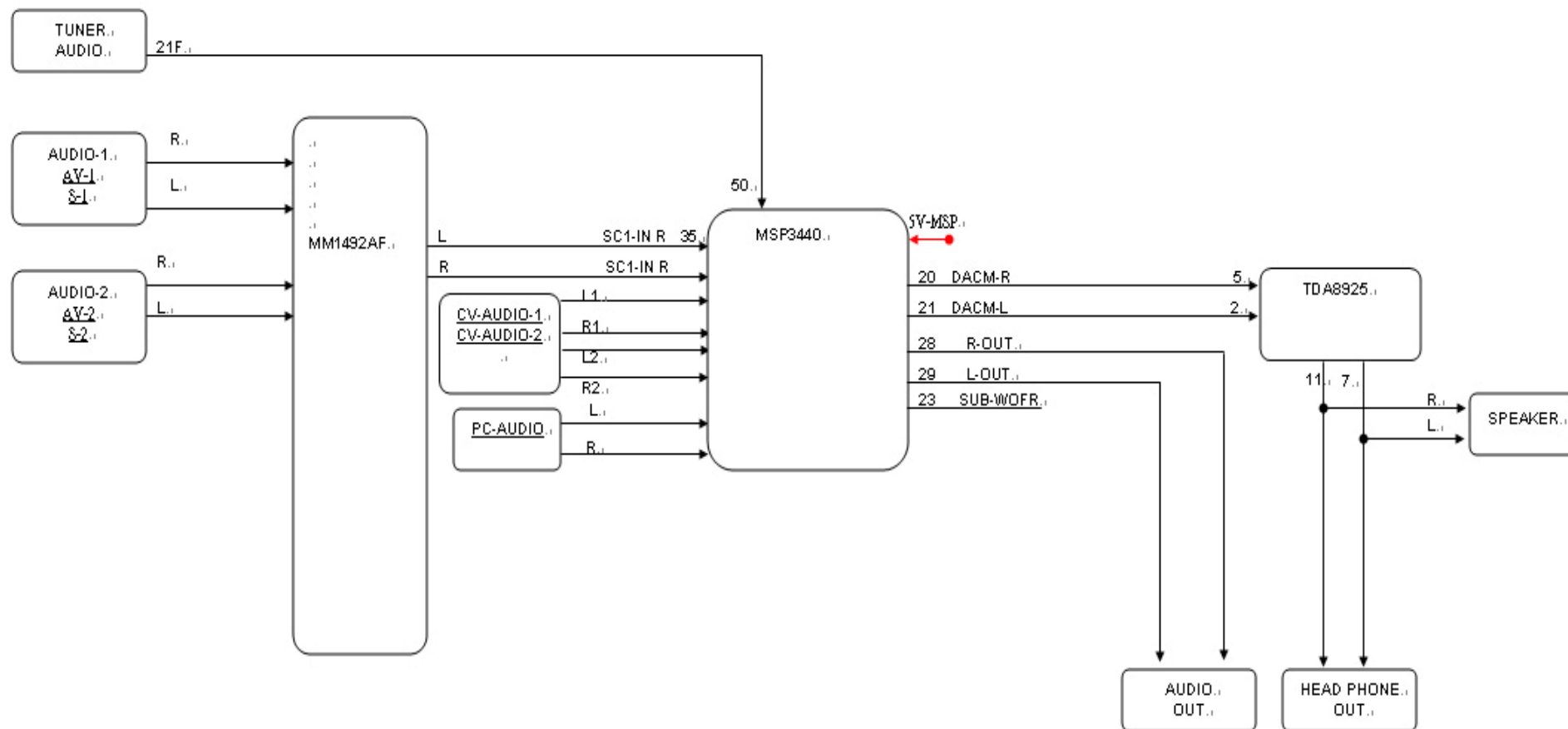
- When the SLEEP TIMER function operates, the TV is automatically turned off. If the TV suddenly turns off, try to press the standby button to turn on the TV once again. If the TV goes back to normal, there is no problem.
- It takes a short period of time from the time an operation such as changing channels is performed until an image is displayed. This is not a malfunction. This is the time required for the image to stabilize it can be displayed.
- The TV may make a crackling sound due to a sudden change in temperature. The picture or sound may be normal. If you hear crackling sounds frequently while you are viewing the TV, there may be other causes. As a precaution, ask your service technician to inspect it.
- The top of the TV and the screen may become hot during use but this has no effect on the performance of the TV. Ensure that the ventilation holes are not blocked.
- When the picture is unstable, the screen may become white for a moment. This occurs when the signal which drives the liquid crystal is missing. This is not a malfunction.
- When a still image has been displayed for a long period, a faint residual image may remain on the screen for a short time after the power has been turned off or when another image is displayed. This is not a malfunction and the image will eventually disappear.

VIDEO PART

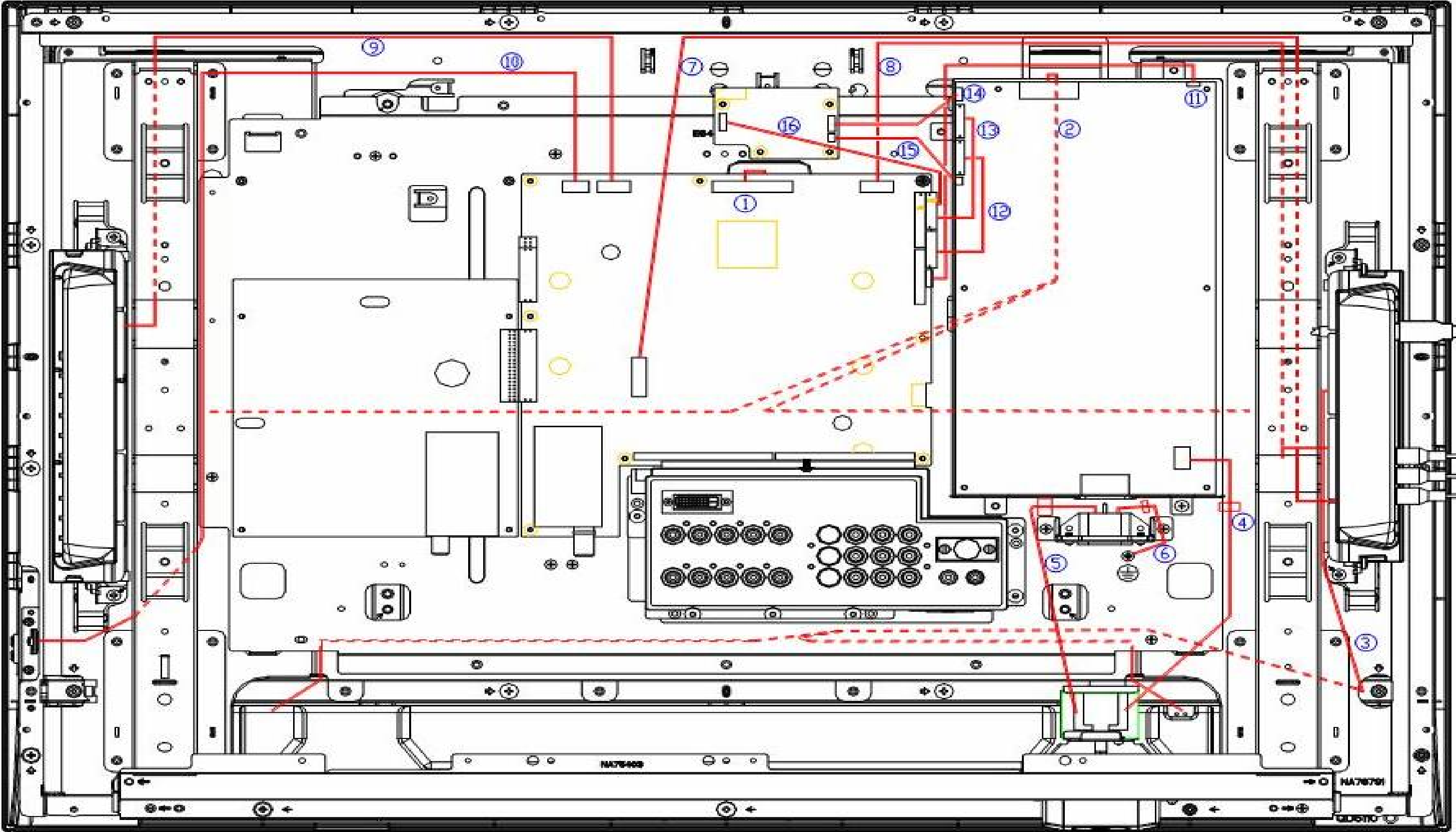


HITACHI 32/37-US

AUDIO PART



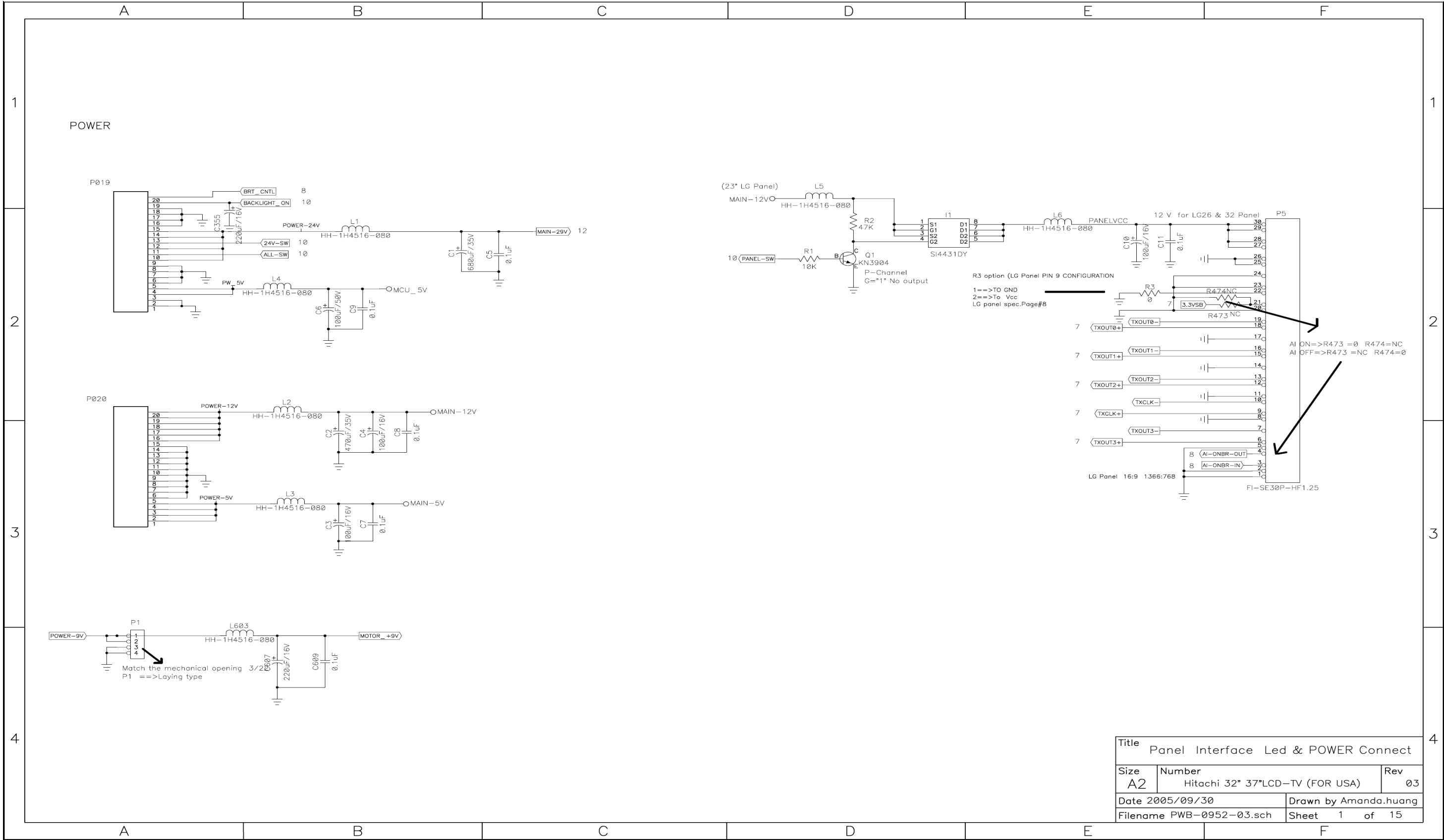
9.Wiring Block diagram



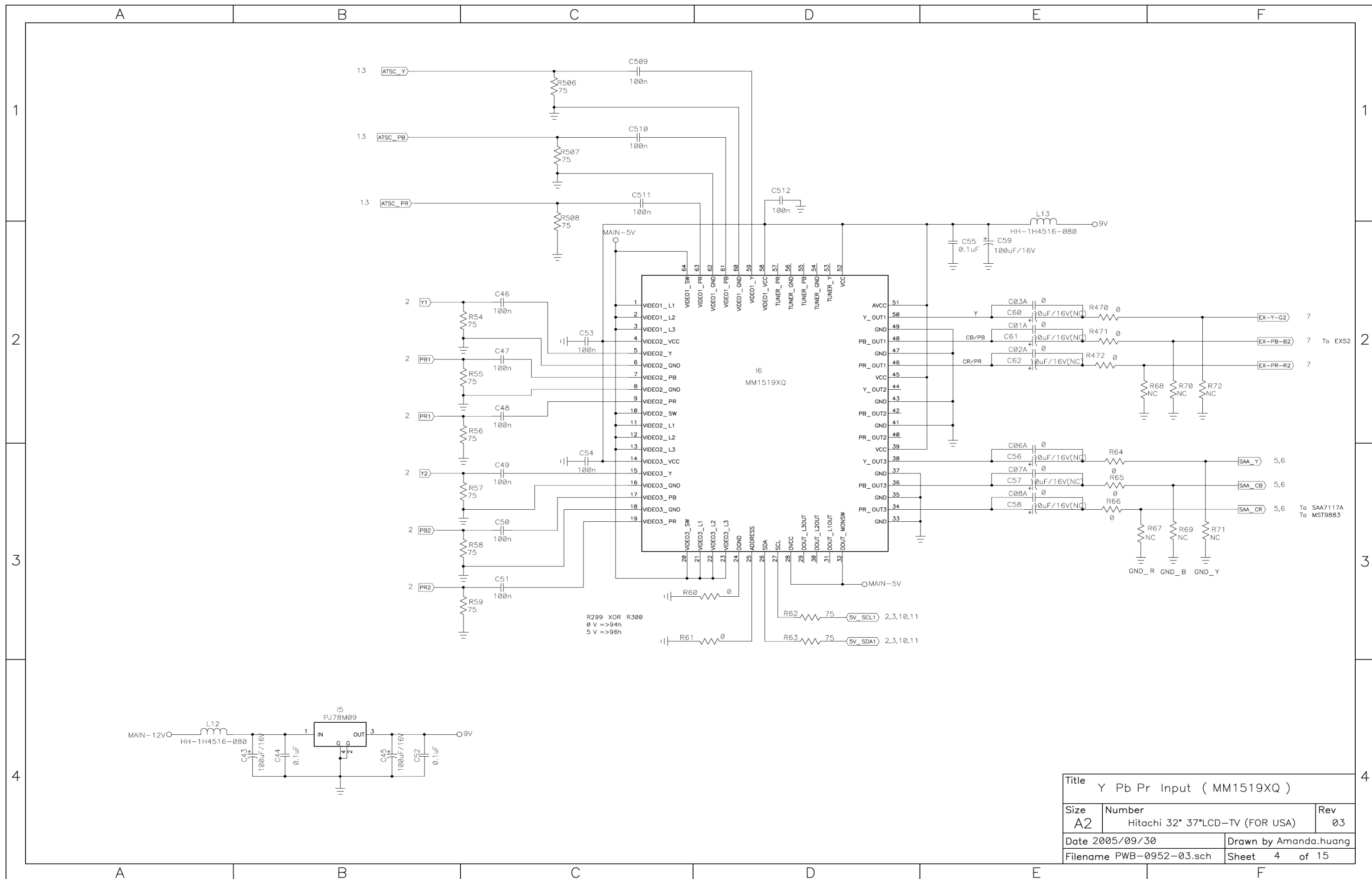
Item	No.	Wire	Part No.
1	P005A	Wire Ass'y W30/30P Conn.	E057430016
2	V901A	Wire Ass'y W12/12/12P Conn.	E057412014
3	P905A	Wire Ass'y W4/2P Conn.	E057404016
4	SW01A	Wire Ass'y Inlet W3P Conn.	E057403014
5			
6			
7	P008A	Wire Ass'y W12/12P Conn.	E057412013
8	P015A	Wire Ass'y W6/6P Conn.	E057406005
9	P011A	Wire Ass'y W8/8P Conn.	E057408008
10	P010A	Wire Ass'y W5/5P Conn.	E057405015
11	P011A	Wire Ass'y W4/4P Conn.	E057404010
12	P020A	Wire Ass'y W20/20P Conn.	E057420009
13&16	P019A	Wire Ass'y W20/12/6P Conn.	E057420008
14	CN06A	Wire Ass'y W6/6P Conn.	E057406006
15	CN09A	Wire Ass'y W2/2P Conn.	E057402012

10.Circuit Diagram

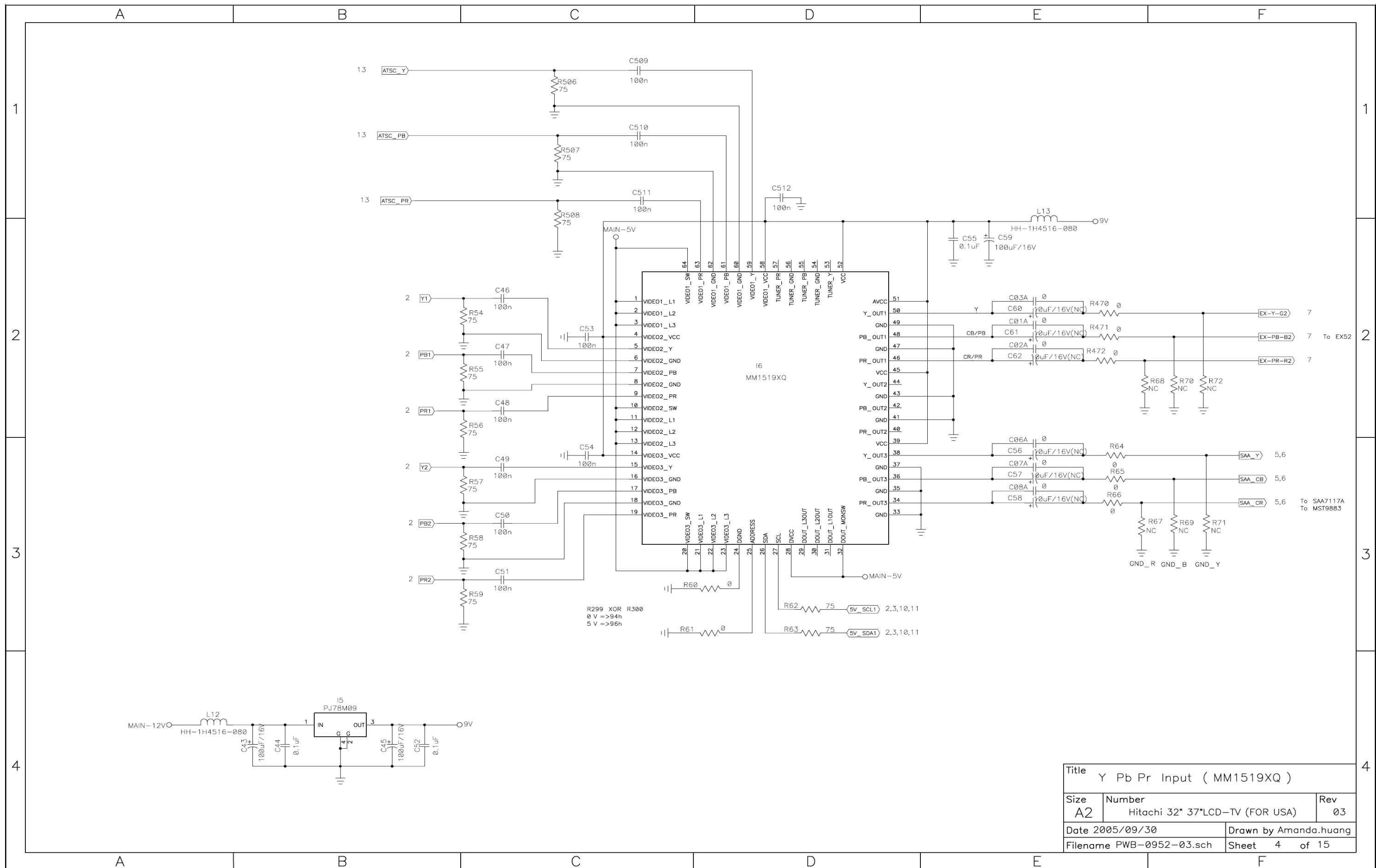
➤ Main Board (PWB-0952)



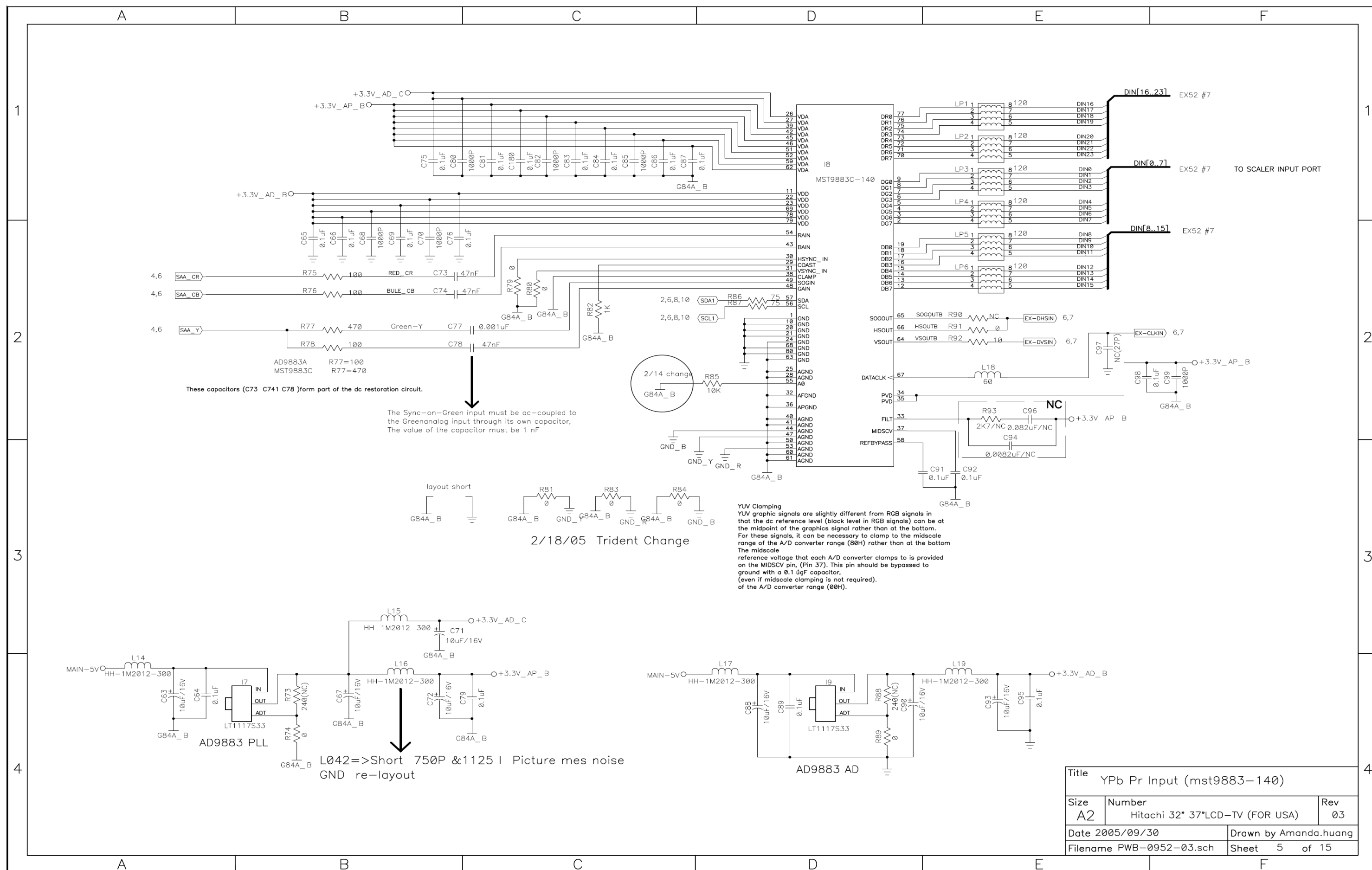




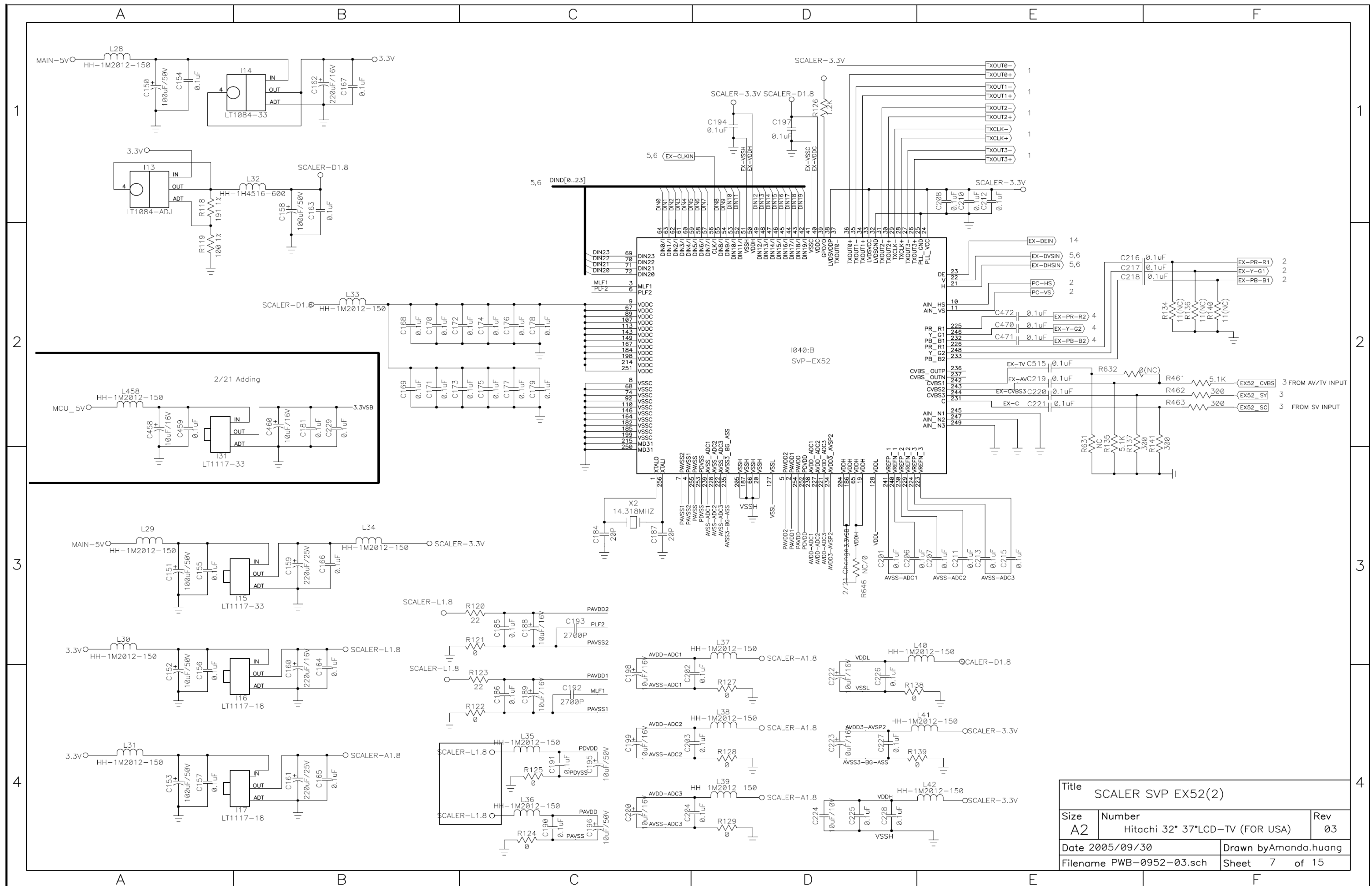
Title Y Pb Pr Input (MM1519XQ)		
Size A2	Number Hitachi 32" 37"LCD-TV (FOR USA)	Rev 03
Date 2005/09/30		Drawn by Amanda.huang
Filename PWB-0952-03.sch		Sheet 4 of 15



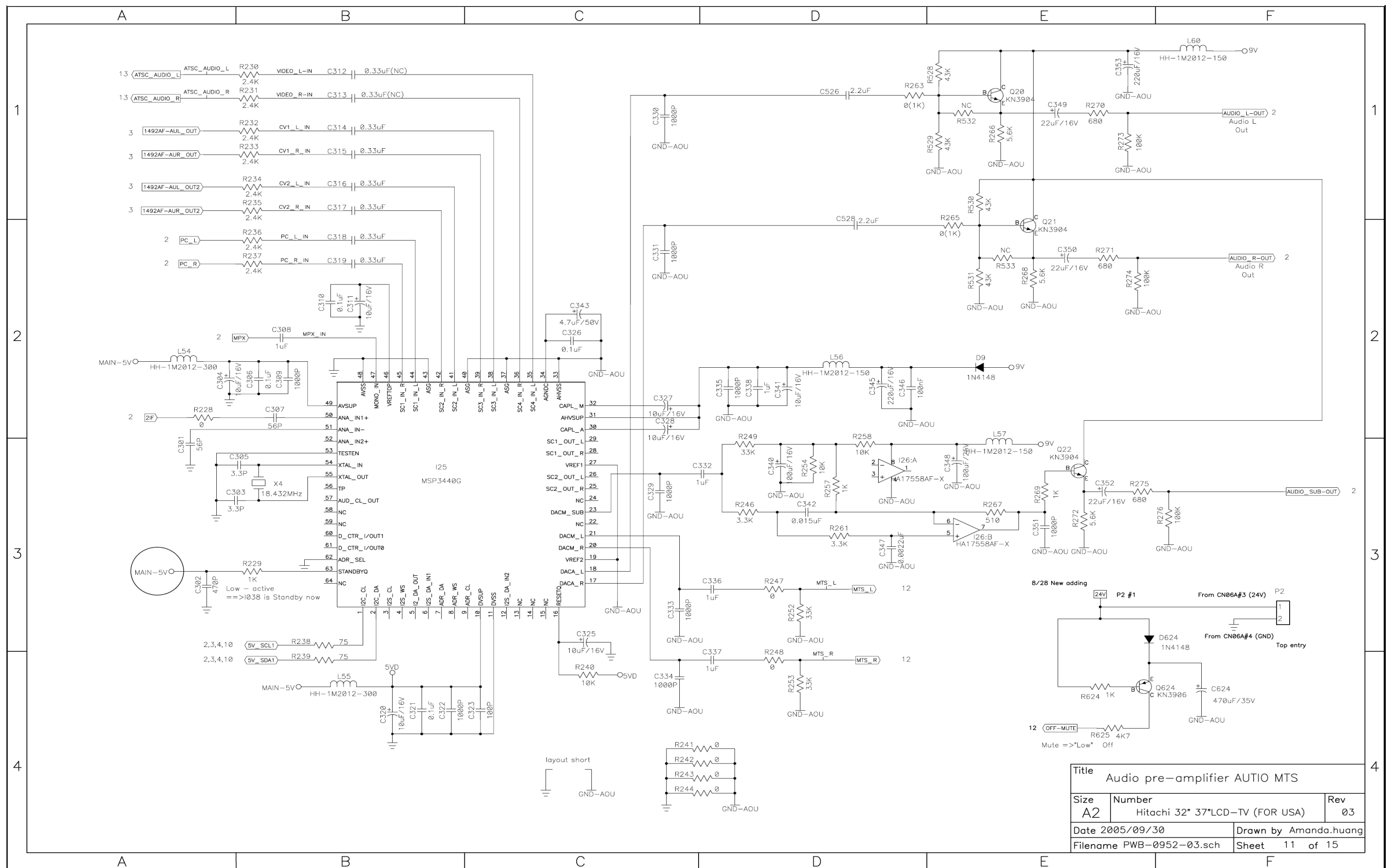
Title Y Pb Pr Input (MM1519XQ)		
Size A2	Number Hitachi 32" 37"LCD-TV (FOR USA)	Rev 03
Date 2005/09/30		Drawn by Amanda.huang
Filename PWB-0952-03.sch		Sheet 4 of 15

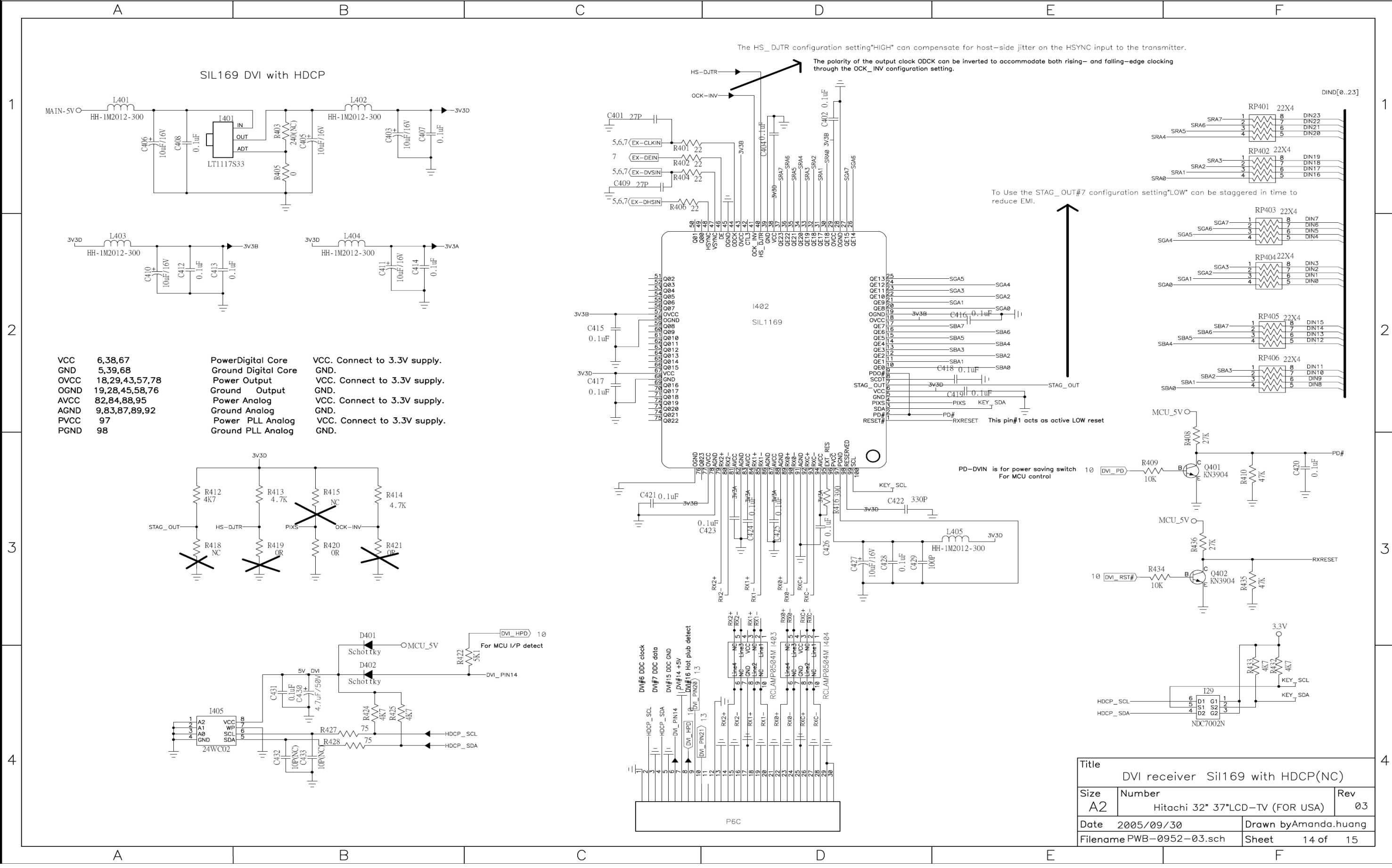


Title YPb Pr Input (mst9883-140)		
Size A2	Number Hitachi 32" 37"LCD-TV (FOR USA)	Rev 03
Date 2005/09/30	Drawn by Amanda.huang	
Filename PWB-0952-03.sch	Sheet 5	of 15

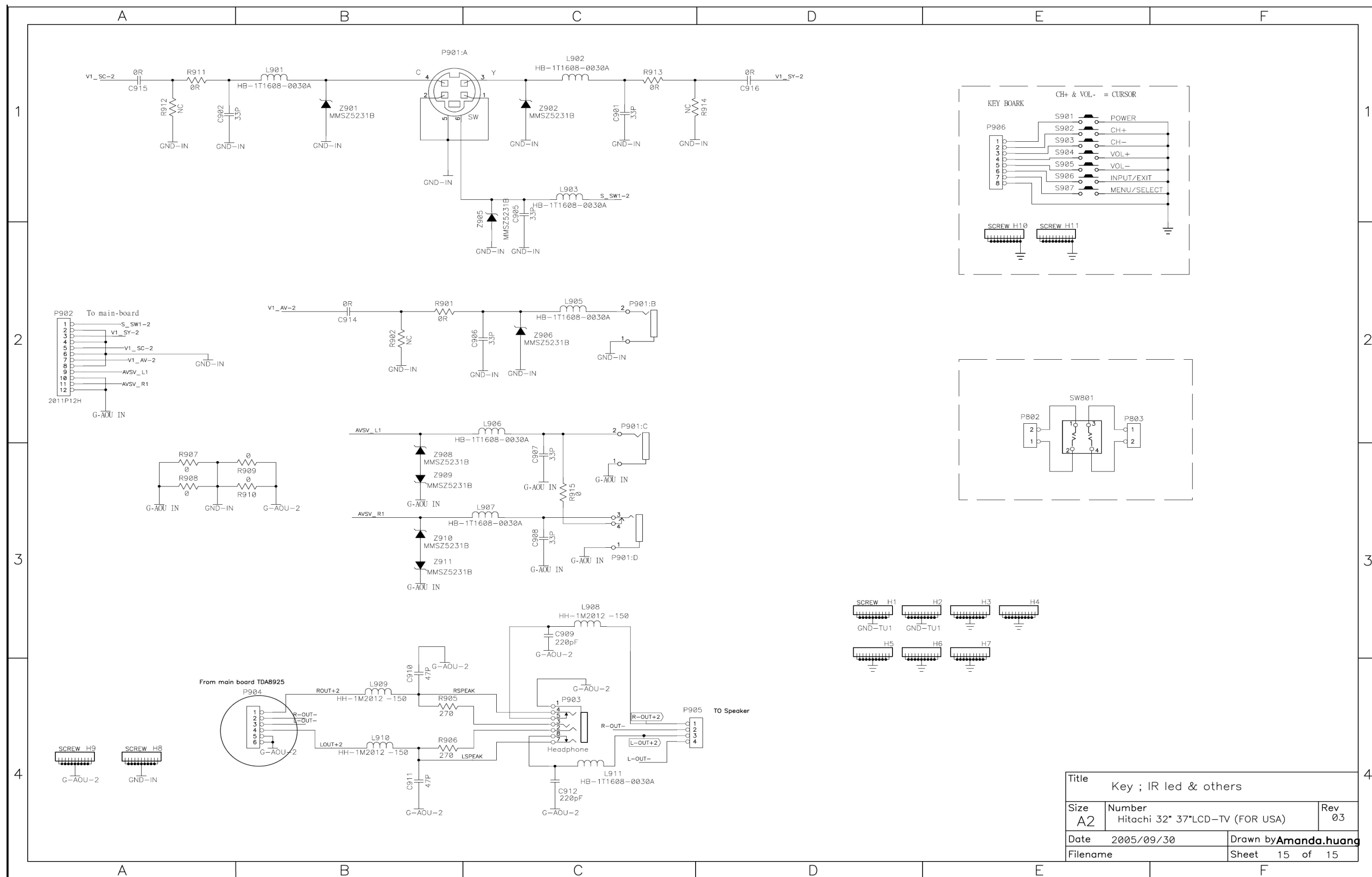


Title SCALER SVP EX52(2)		
Size A2	Number Hitachi 32" 37"LCD-TV (FOR USA)	Rev 03
Date 2005/09/30	Drawn by Amanda.huang	
Filename PWB-0952-03.sch	Sheet 7	of 15





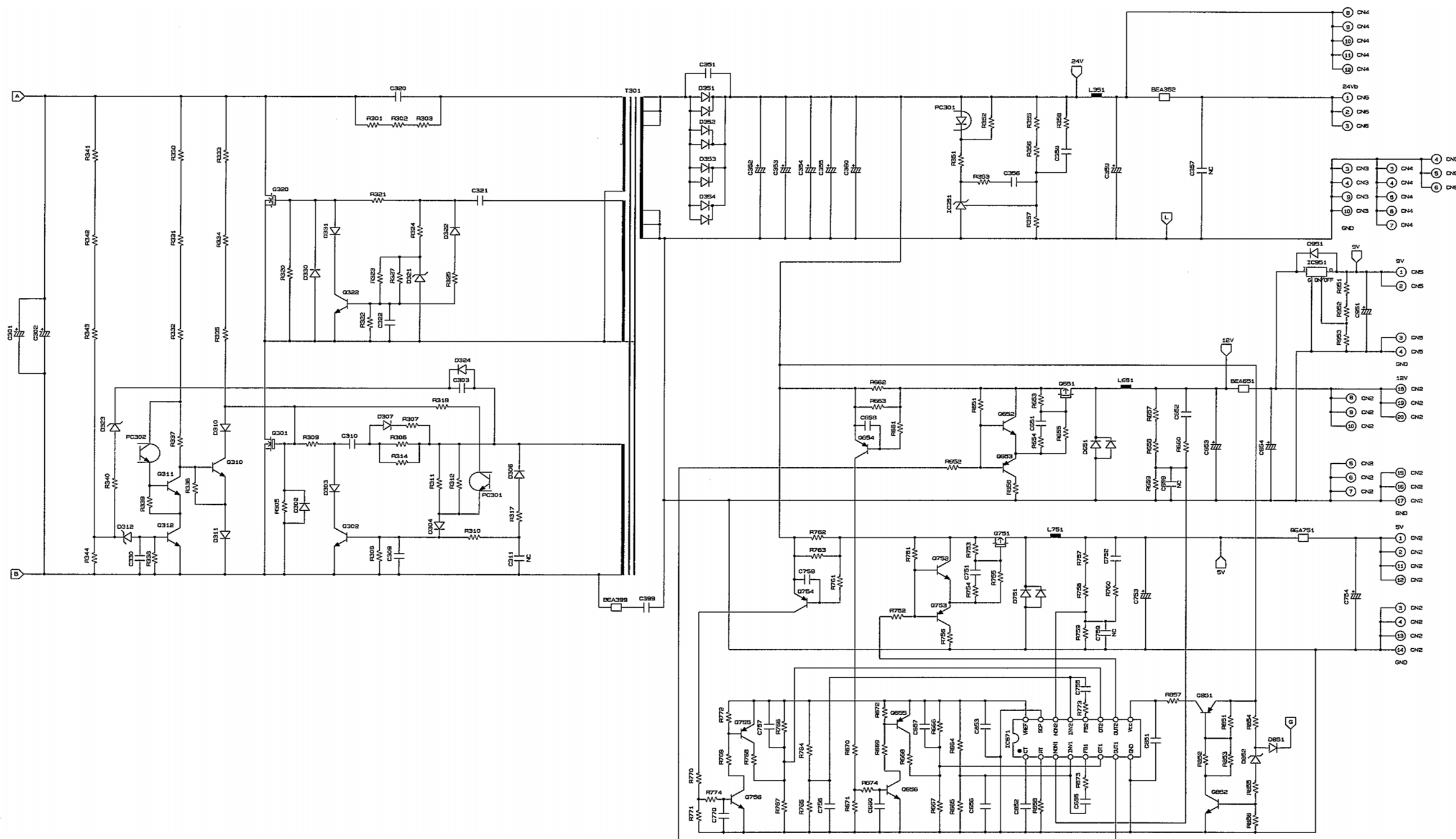
Title		
DVI receiver Sil169 with HDCP(NC)		
Size	Number	Rev
A2	Hitachi 32" 37"LCD-TV (FOR USA)	03
Date	2005/09/30	Drawn byAmanda.huang
Filename	PWB-0952-03.sch	Sheet 14 of 15



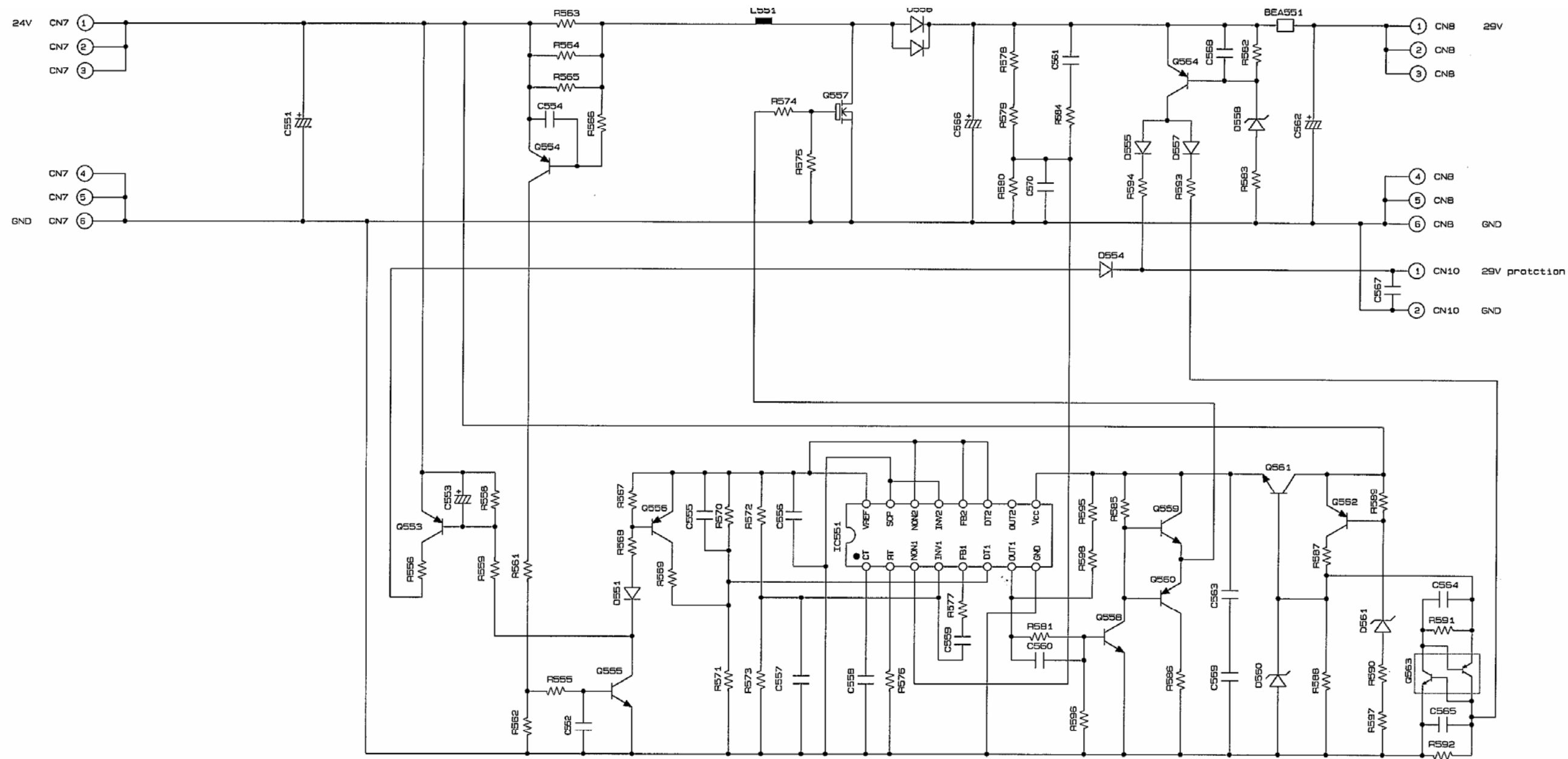
Title Key ; IR led & others		
Size A2	Number Hitachi 32" 37"LCD-TV (FOR USA)	Rev 03
Date 2005/09/30	Drawn by Amanda.huang	
Filename	Sheet 15	of 15



Date	2005 - 6 - 6				Part Name	SCHEMATIC DIAGRAM	Rev. 改訂
Scale.	A p v .	C h k .	E n g .	D s n .	部 分	回路図	
尺 度	承 認	確 認	照 査	担 当	Description	MPF3613	B
	H. TAKEMURA	Y. NAKAMURA	T. MINAGAWA	T. YOKAWA	機 名	(1/3)	
	MURATA MFG CO., LTD. KYOTO JAPAN				Drawing No.	S1PF1104	
					図 番		



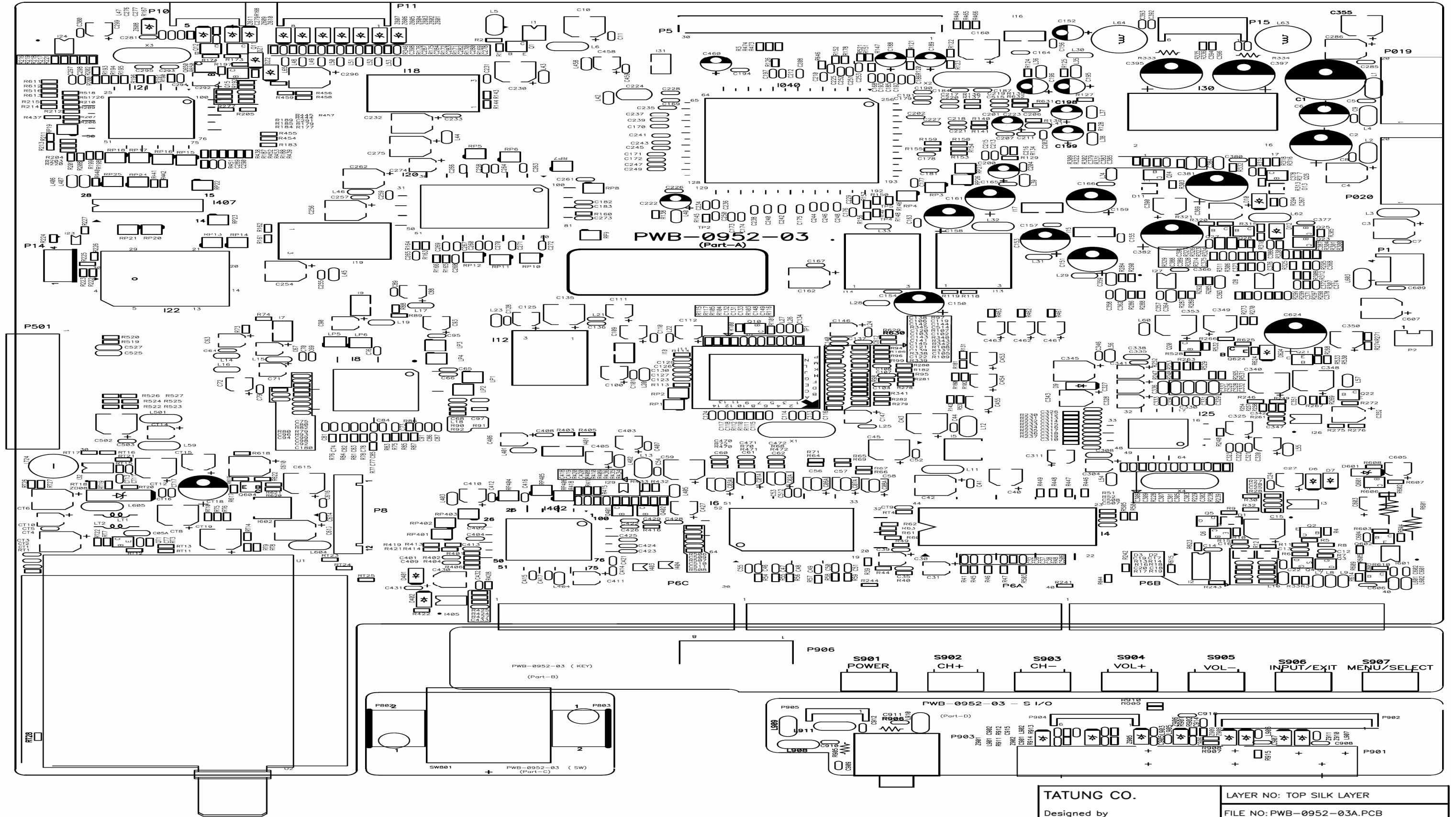
Date	2005 - 6 - 6				Part Name	SCHEMATIC DIAGRAM	Rev. 改訂
Scale. 尺度	A p v . 承認	Ch k . 確認	Eng . 照査	D s n . 担当	部分 回路図		
					Description 機名	MPF3613 (3/3)	B
					Drawing No. 図番	S1PF1104	
MURATA MFG CO., LTD. KYOTO JAPAN							



Date	2005 - 7 - 11				Part Name	SCHEMATIC DIAGRAM	Rev. 改訂
Scale. 尺度	A p v . 承認	C h k . 確認	E n g . 照査	D s n . 担当	Description 機名	回路図 MPF3613A	
	H. TAKEMURA <i>H. Takemura</i>	Y. NAKAMURA <i>Y. Nakamura</i>	T. MINAGAWA <i>T. Minagawa</i>	T. YOKAWA <i>T. Yokawa</i>	Drawing No. 図番	S1PF1109	
MURATA MFG CO., LTD. KYOTO JAPAN							

11. Printed Wiring Board Diagram

➤ Main Board-Top side(PWB-0952)



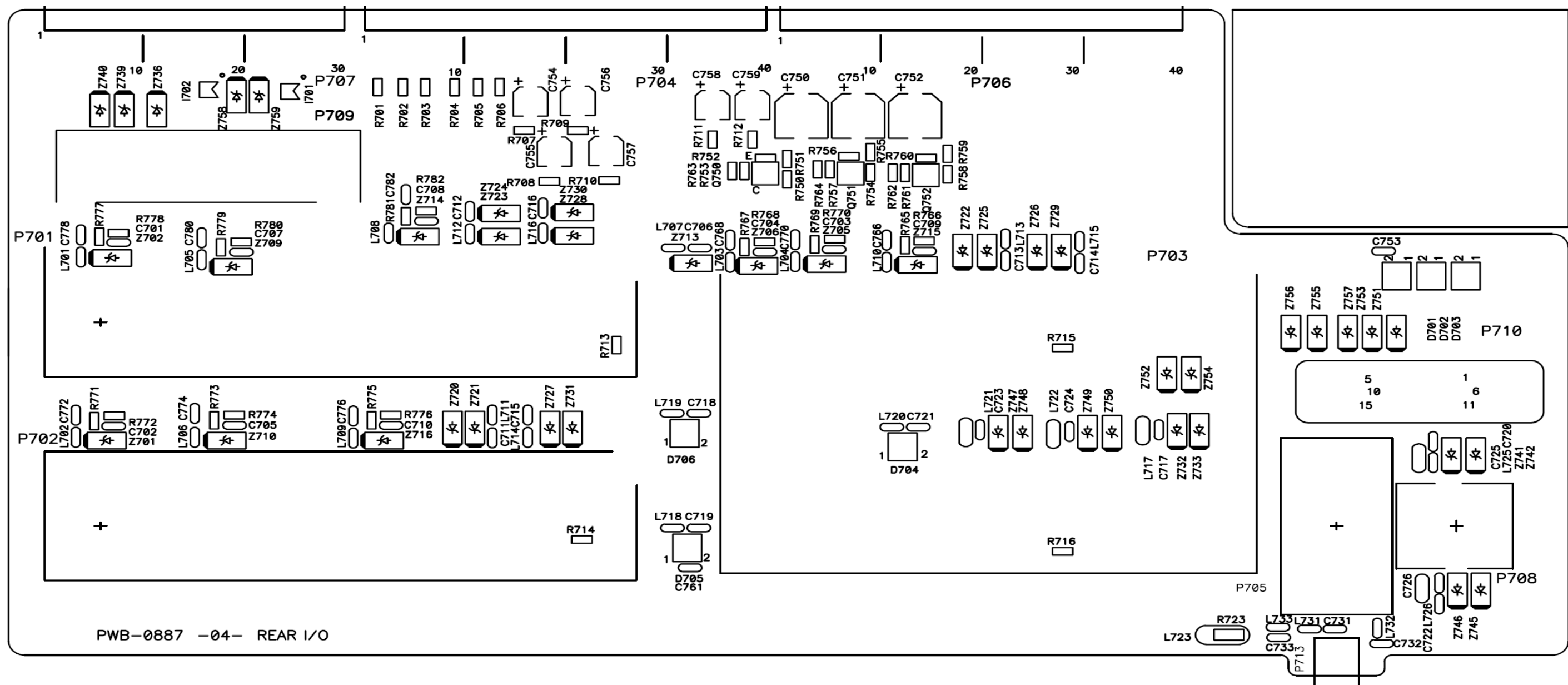
TATUNG CO.

Designed by
Electronic R & D Division
TEL:2592-5252

LAYER NO: TOP SILK LAYER

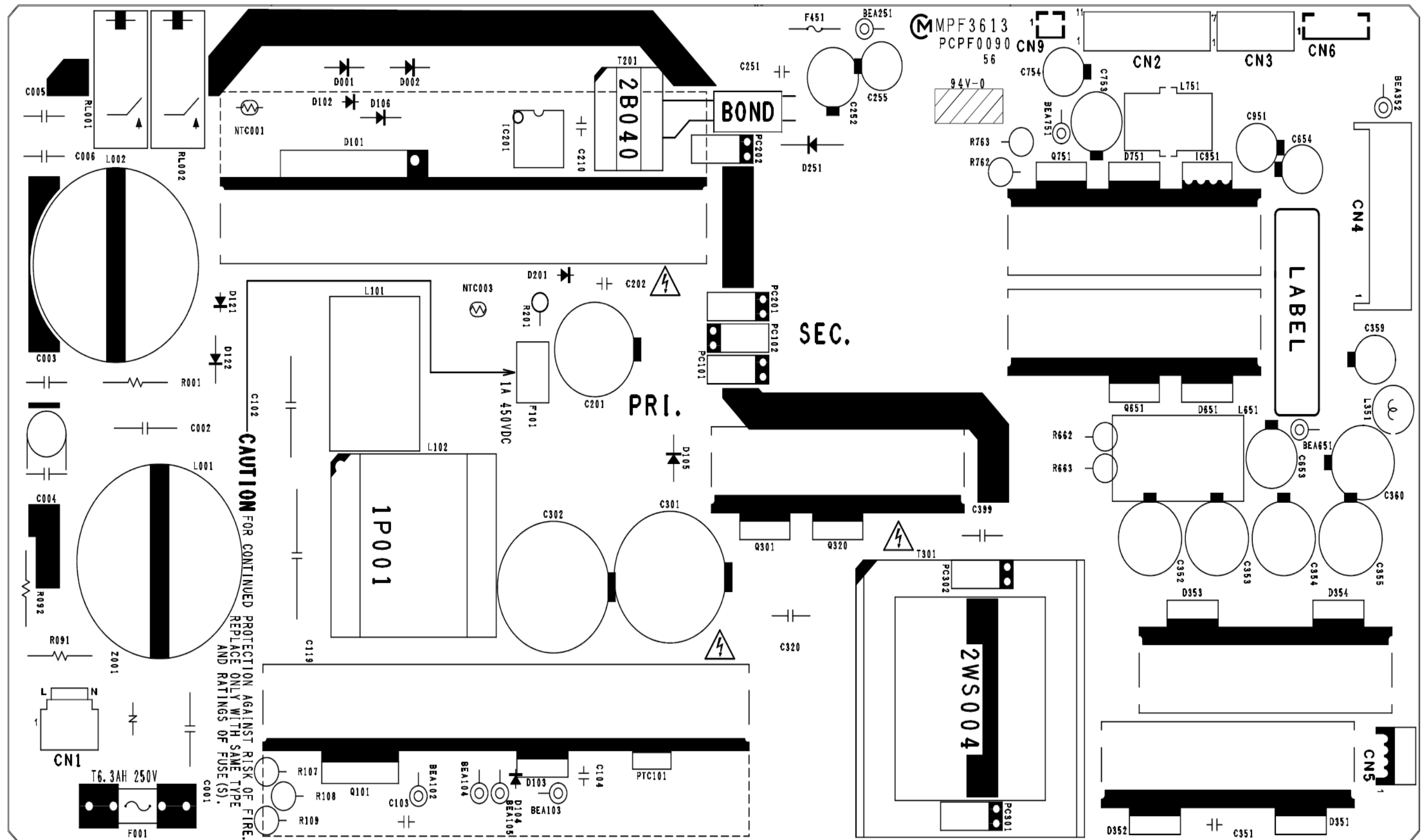
FILE NO: PWB-0952-03A.PCB

DATE: Fri Sep 30, 2005

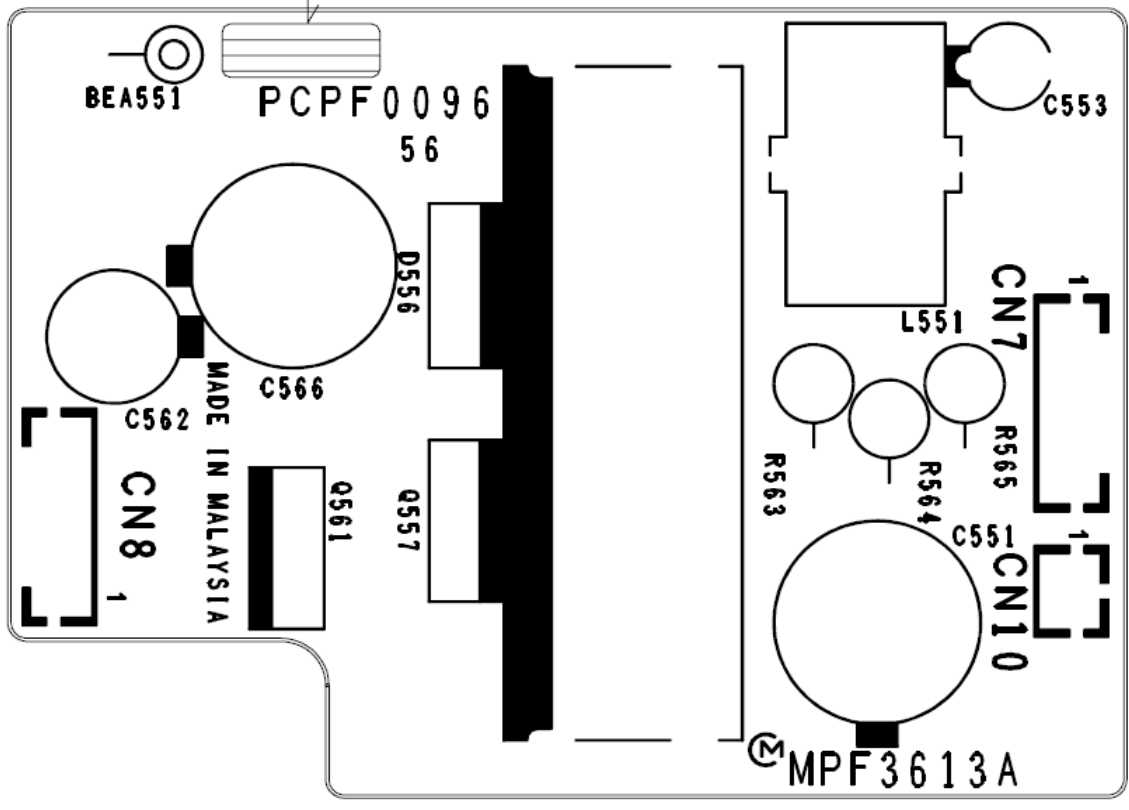


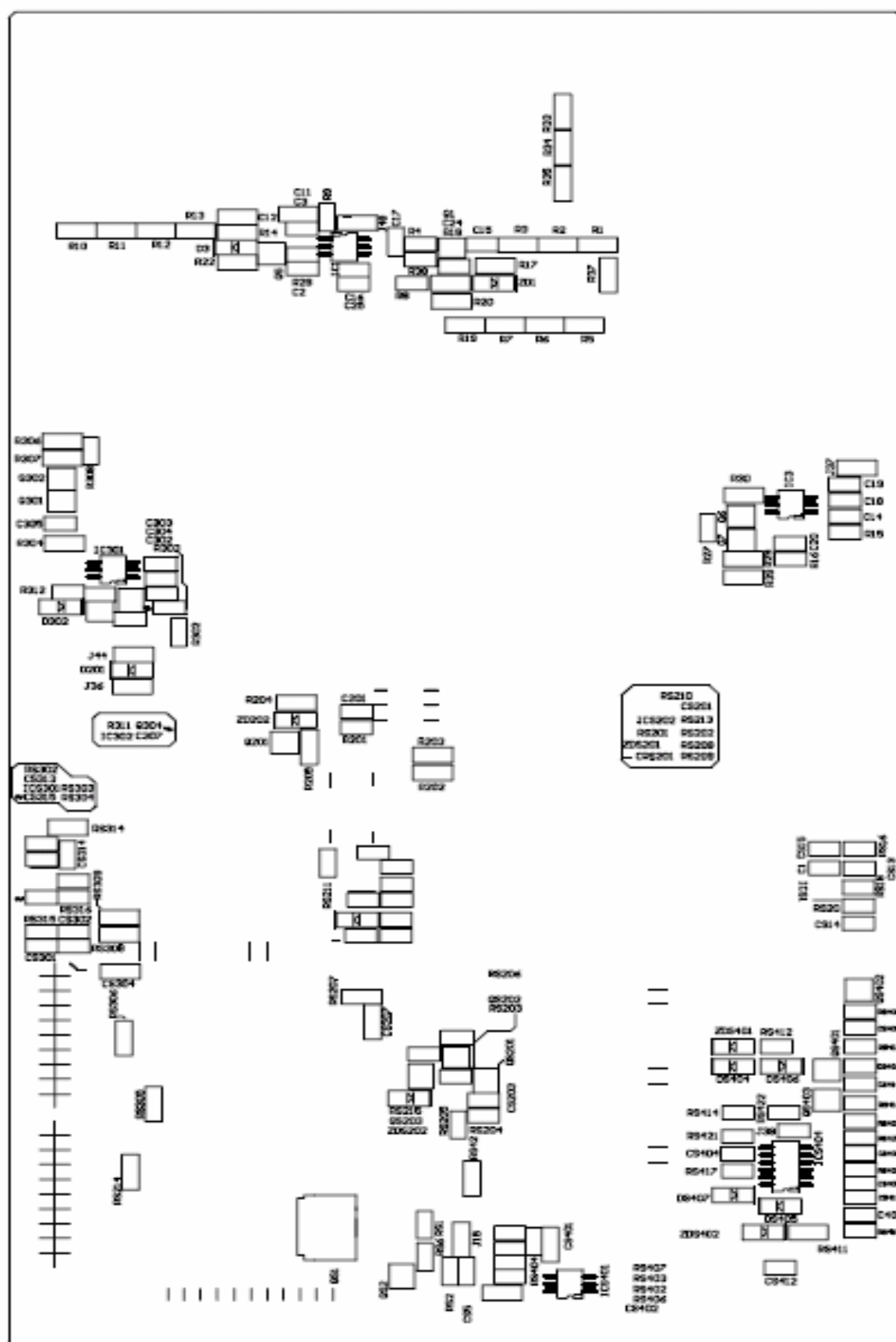
TATUNG CO. Doc No.:7CDDC Designed by Electronic R & D Division TEL:2592-5252 EXT 3228	LAYER NO: TOP SILK LAYER
	FILE NO:887-04.pcb
	DATE: Fri Sep 30, 2005

(Power board)



"  ", UL MAKER MARK
 " 94V-0 ", "  "

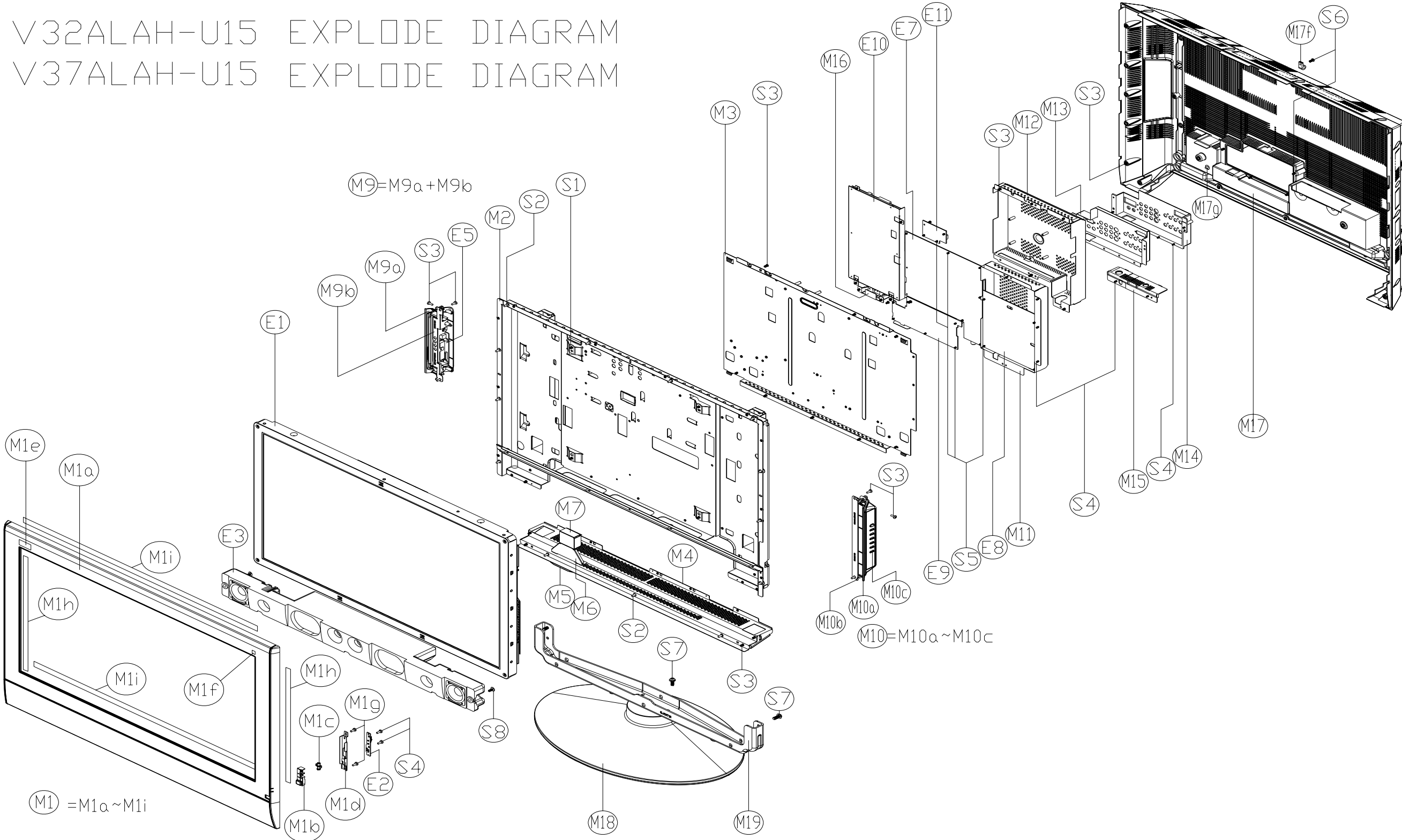




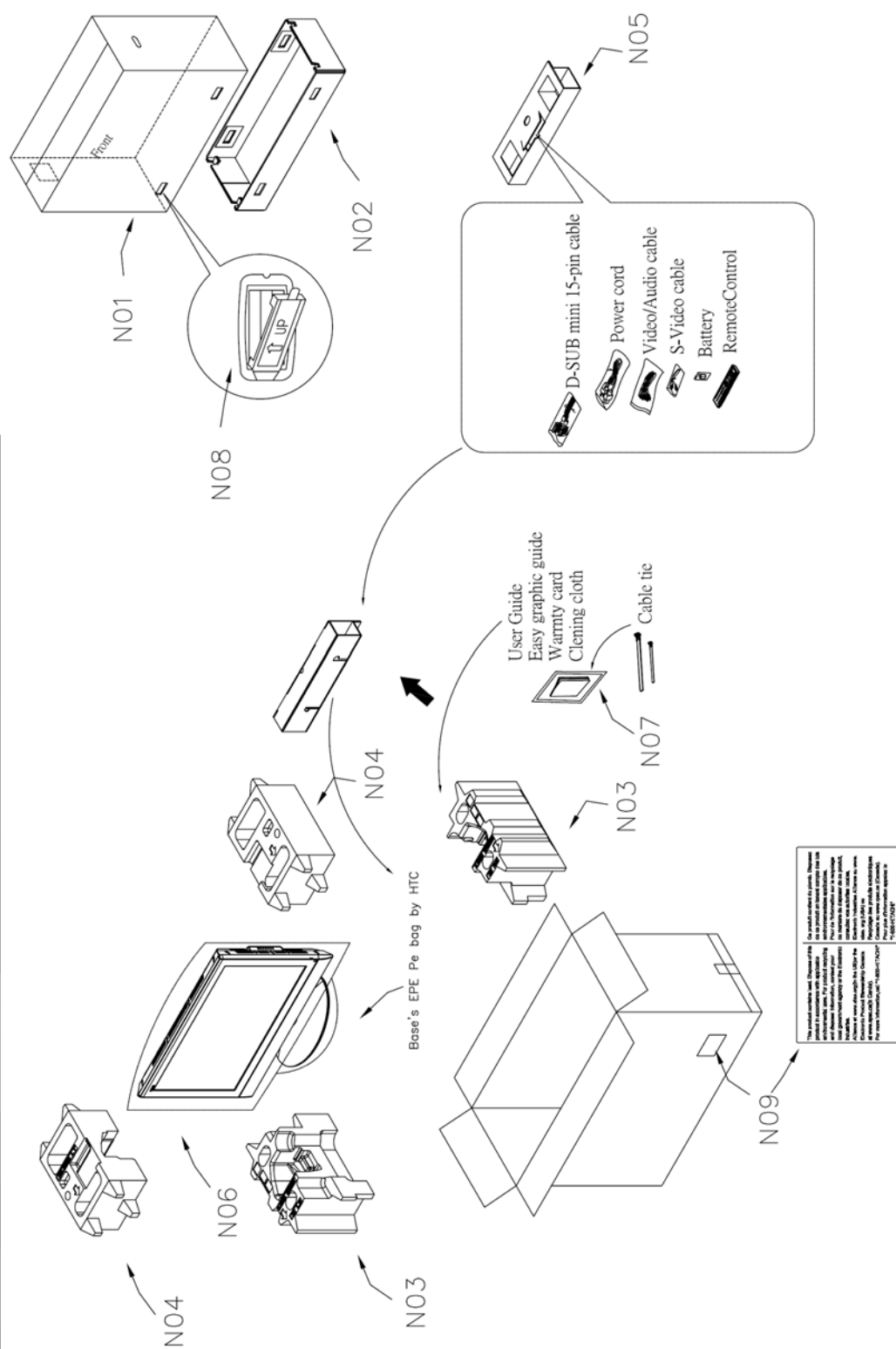
12. Disassembly Diagram

- > Mechanical
- >

V32ALAH-U15 EXPLODE DIAGRAM
V37ALAH-U15 EXPLODE DIAGRAM



32HDL52 37HDL52 PACKAGE EXPLODE DIAGRAM



13.Replacement parts list:
32HDL52
Mechanical part list (32HDL52)

NO.	DESCRIPTION	PART NO.	HITACHI PART NO	Q'TY.
M1	FRONT BEZEL ASSY	5095670923	TS06571	1
a	FRONT BEZEL	E641105900	—	1
b	IR LENS	E642853500	—	1
c	LED LENS	E642853600	—	1
d	LED METAL	E642741000	—	1
e	IPS LABEL	E642442200	—	1
f	ENERGY STAR LABEL	E642444300	—	1
M2	BASE CHASSIS ASSY	E642740700	NA76791K	1
M3	LCD MAIN BRACKET TATUNG	E642740300	TS06481	1
M4	BOTTOM COVER	E642740900	NA75403K	1
M5	POWER BUTTON ASSY	E642853100	PC06501K	1
M6	POWER SWITCH METAL	E642740600	TS06491	1
M7	POWER SWITCH BARRIER SHEET	E646521800	TS06501	1
M8	SHAFT SUPT	E642681700	TS06511	1
M9	SIDE INPUT ASSY	E642853800	PH35845	1
a	SIDE INPUT CASE	E642853200	—	1
b	SIDE INPUT BRACKET	E642740500	—	1
M10	SIDE CONTROL ASSY	E642853700	PH35831	1
a	SIDE CONT CASE	E642853300	—	1
b	SIDE CONT BRACKET	E642740400	—	1
c	CONTROL KEY	E642853400	—	1
M11	DIGITAL BOARD SHIELD	E646258301	TS06521	1
M12	MAIN BOARD SHIELD	E646258401	TS06531	1
M13	TERMINAL BOARD SHIELD	E646258600	TS06541	1
M14	TERMINAL BOARD ASSY	5095670924	TS06232	1
a	TERMINAL PANEL	E642324200	—	1
b	TERMINAL PANEL LABEL	E642442000	—	1
M15	TUNER PANEL	E642323901	TS06141	1
M16	POWER SOCKET BRACKET	E648746600	TS06551	1
M17	BACK COVER ASSY	5096954739	TS06591	1
a	BACK COVER	E641105800	—	1
b	WARNING LABEL	E030539009	—	1

32HDL52

32HDL52

c	LEAD DISPOSAL LABEL	E030539011	—	2
d	TUNER LABEL	E642442100	—	1
e	SWIVEL LABEL	E642444800	—	1
f	PLASTIC HOOK	E642683000	—	1
g	AC CABEL CLAMP	E642682000	—	1
M18	STAND ASSY	E642740800	QJ01722K	1
M19	STAND SPT	E642741100	QJ01731K	1
S1	PPW 4X8	G000311112	TS06561	5
S2	T2D3*12PZ+	G190563312	TS06562	17
S3	PZS 4x10	G134251456		54
S4	PRWS 3X8	G136161152		19
S5	PP 3X6	G001170612	TS06563	23
S6	PZP 4X12	G134251686	TS06564	5
S7	PP+SW+PW 6X18	G190567618	TS06565	8
S8	BTBW 4X12	G000305112	TS06566	2
S9	PP 6X12	G001391616	TS06567	6
S10	PZP 3X8	G134161182	TS06568	2

Packing part list (32HDL52)

NO.	DESCRIPTION	PART NO.	HITACHI PART NO	Q'TY.
N1	RS CARTON	I513614156	TJ04141	1
N2	Bottom Tray	I513614556	TJ04091	1
N3	EPS PAD ASS	I523610556	TJ04101	1
N3	EPS PAD ASS-B/L	I523610156	—	1
N3	EPS PAD ASS-B/R	I523610256	—	1
N4	EPS PAD ASS	I523610656	TJ04111	1
N4	EPS PAD ASS-T/L	I523610356	—	1
N4	EPS PAD ASS-T/R	I523610456	—	1
N5	EPE PE Bag 100x70mm	I533580156	TJ04121	1
N6	Clip pe bag No.10	I533251157	TJ03606	1
N7	Accessories BOX	I513614256	TJ04131	1
N8	Grip Joint	I534100356	TJ04071	4

Electrical part list (32HDL52)

NO.	DESCRIPTION	PART NO.	HITACHI PART NO	Q'TY.
PB01	POWER MODULE+CASE	F693006619	TE02952	1
PB02	POWER MODULE	F693006623	TE02951	1
DTV1	ASS'Y PCB (ZAT-520MB ZINWELL)	5053911078	TE02461	1

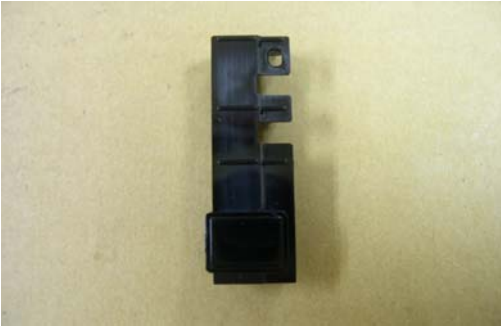
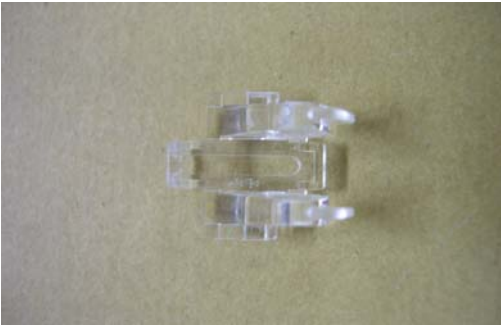
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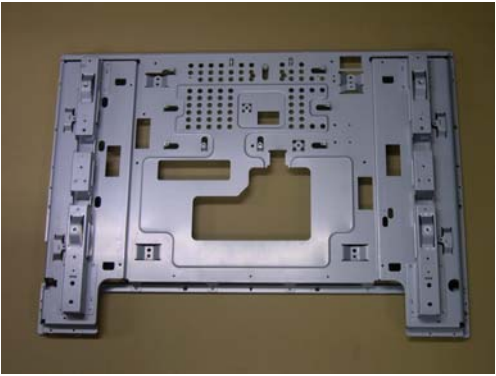
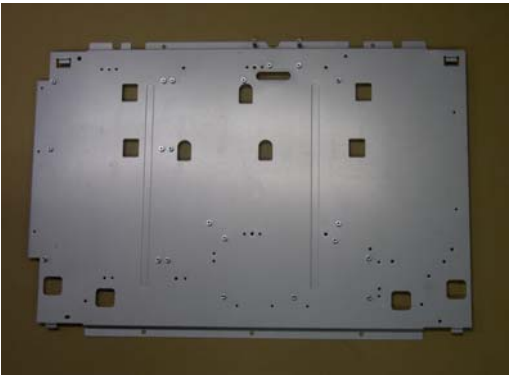
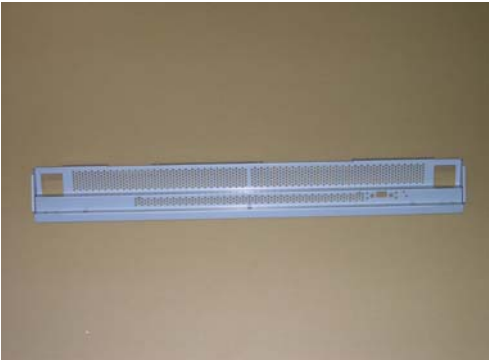
	ASSEMBLY,PCB-REAR I/O (PWB-0887)	5095670911	TE02961	1
	ASSEMBLY,PCB-LED/IR (PWB-0918)	5097655601	TE02971	1
	ASSEMBLY,PCB-MAIN (PWB-0952-A)	5098801066	TE02981	1
	ASSEMBLY,PCB-KEY PAD (PWB-0952-B)	5098801067	TE02991	1
	ASSEMBLY,PCB-AC SWITCH (PWB-0952-C)	5098801068	TE03001	1
	ASSEMBLY,PCB-SIDE I/O (PWB-0952-D)	5098801069	TE03011	1
P001A	Wire Ass'y W4/4P Conn	E057404010	TE03021	1
P005A	Wire Ass'y W30/30P Conn.	E057430022	TE03022	1
P008A	Wire Ass'y W12/12P Conn.	E057412013	TE03023	1
P010A	Wire Ass'y W5/5P Conn.	E057405015	TE03024	1
P011A	Wire Ass'y W8/8P Conn.	E057408008	TE03025	1
P015A	Wire Ass'y W6/6P Conn.	E057406005	TE03026	1
P019A	Wire Ass'y W20/12/6P Conn.	E057420008	TE03027	1
P020A	Wire Ass'y W20/20P Conn.	E057420009	TE03028	1
P905A	Wire Ass'y W4/2P Conn.	E057404016	TE03029	1
SW01A	Wire Ass'y Inlet W3P Conn.	E057403014	TE03031	1
CN06A	Wire Ass'y W6/6P Conn.	E057406008	TE03032	1
CN09A	Wire Ass'y W2/2P Conn.	E057402012	TE03033	1
V901A	Wire Ass'y W12/12/12P Conn.	E057412014	TE03034	1
V901B * Replace V901B and V901C at the same time.	32" INVERTER UNIT 6632L-0211A KLS-EE32CI-M	E053911106 * Replace E053911106 and E053911107 at the same time.	TE03061	1
V901C * Replace V901B and V901C at the same time.	32" INVERTER UNIT 6632L-0212A KLS-EE32CI-S	E053911107 * Replace E053911106 and E053911107 at the same time.	TE03061	1
SP01	Speaker Box Ass'y ORIENT	E055100006	TE03041	1
2B01-MA	32"MODEL LABEL (TMX)	E030538701	TJ04151	1
2B01-WA	MODEL LABEL (TCN)	E030538601	TJ04153	1
BT01	Battery Alkaline (HITACHI)	E050100002	—	2

32HDL52

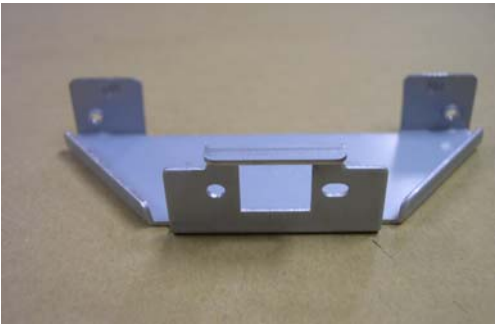
P101	Wire Ass'y VGA Signal Cable	E057315500	TE02271	1
P102	Wire Ass'y RCA Cable	E057303500	TE02273	1
P103	Wire Ass'y S-Video Cable	E057304500	TE02272	1
P104	Swivel Cable	E057308500	TE02274	1
P807	Power Cord UL I-Sheng	E056705900	TE02531	1
RCU1	REMOTE CONTROL FORWARD	E052731080	TE03051	1
Y001	USER'S MANUAL	E030037006	TE02555	1
Y002	LEAD DISPOSAL LABEL	E030539011	TJ04161	1
Y003	WARNING LABEL	E030539009	TJ04162	1
Y004	QUICK SETUP GUIDE	E030037007	TE02556	1
Y005	WARRANTY CARD(FOR CANADA)	E030230011	TE02561	1
Y006	WARRANTY CARD(FOR USA)	E030230014	TE02562	1
Y007	Cleaning Cloth	5000100118	TJ04171	2

32HDL52

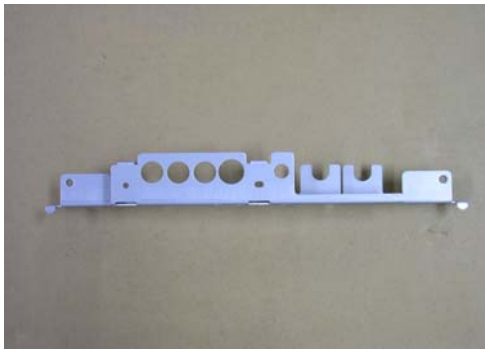
	Circuit No.	Description	Part No.	HITACHI Part NO.
	M1	FRONT BEZEL ASSY	5095670923	TS06571
	M1a	FRONT BEZEL	E641105900	—
	M1b	IR LENS	E642853500	—
	M1c	LED LENS	E642853600	—
	M1d	LED METAL	E642741000	—

	M1e	IPS LABEL	E642442200	—
	M1f	ENERGY STAR LABEL	E642444300	—
	M2	BASE CHASSIS ASSY	E642740700	NA76791K
	M3	LCD MAIN BRACKET TATUNG	E642740300	TS06481
	M4	BOTTOM COVER	E642740900	NA75403K

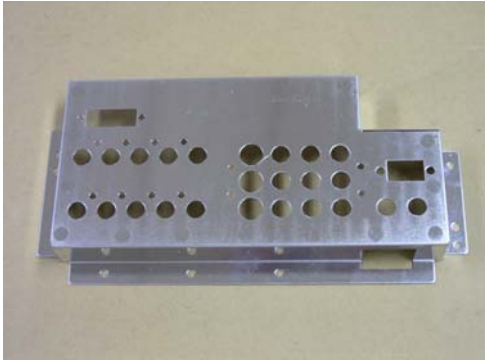
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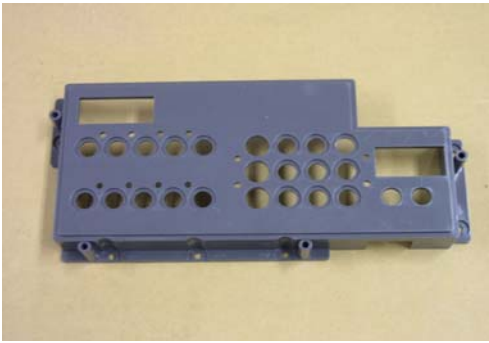
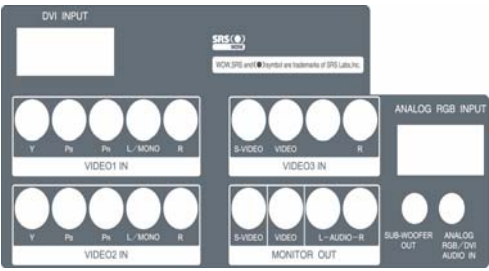
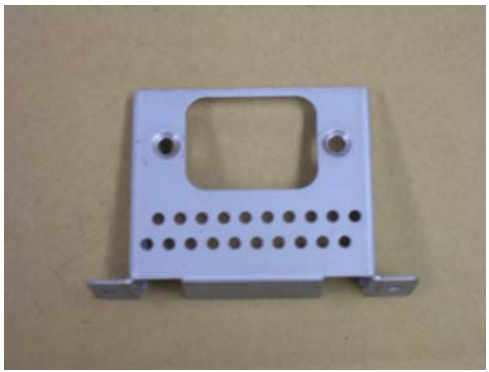
	M5	POWER BUTTON ASSY	E642853100	PC06501K
	M6	POWER SWITCH METAL	E642740600	TS06491
	M7	POWER SWITCH BARRIER SHEET	E646521800	TS06501
	M8	SHAFT SUPT	E642681700	TS06511
	M9	SIDE INPUT ASSY	E642853800	PH35845

32HDL52

	M9a	SIDE INPUT CASE	E642853200	—
	M9b	SIDE INPUT BRACKET	E642740500	—
	M10	SIDE CONTROL ASSY	E642853700	PH35831
	M10a	SIDE CONT CASE	E642853300	—
	M10b	SIDE CONT BRACKET	E642740400	—

32HDL52

	M10c	CONTROL KEY	E642853400	—
	M11	DIGITAL BOARD SHIELD	E646258301	TS06521
	M12	MAIN BOARD SHIELD	E646258401	TS06531
	M13	TERMINAL BOARD SHIELD	E646258600	TS06541
	M14	TERMINAL BOARD ASSY	5095670924	TS06232

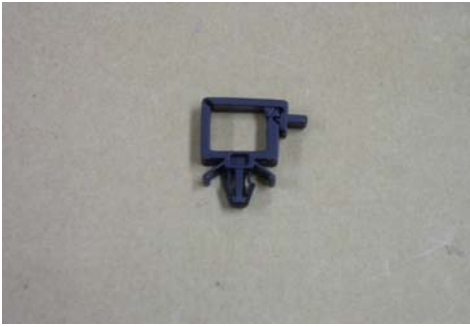
	M14a	TERMINAL PANEL	E642324200	—
	M14b	TERMINAL PANEL LABEL	E642442000	—
	M15	TUNER PANEL	E642323901	TS06141
	M16	POWER SOCKET BRACKET	E648746600	TS06551
	M17	BACK COVER ASSY	5096954739	TS06591

32HDL52

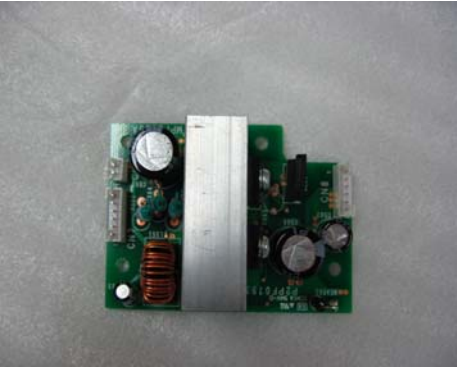
	M17a	BACK COVER	E641105800	—
HITACHI AMERICA, LTD., HOME ELECTRONICS DIVISION.  CAUTION DO NOT OPEN DO NOT TOUCH  MISE EN GARDE NE PAS OUVRIR NE PAS TOUCHER AVERTISSEMENT POUR MAINTENIR LE DEGRÉ DE SÉCURITÉ DE L'APPAREIL, NE REMPLACER LES COMPOSANTS DONT LE FONCTIONNEMENT EST CRITIQUE POUR LA SÉCURITÉ QUE PAR DES PIÈCES RECOMMANDÉES PAR LE FABRICANT (CONSULTER, CASER D'INSTRUCTIONS) WARNING FOR CONTINUED SAFETY, REPLACE SAFETY CRITICAL COMPONENTS ONLY WITH MANUFACTURER'S RECOMMENDED PARTS (REFER TO SERVICE LITERATURE). FOR CANADA MODEL ONLY CABLE COMPATIBLE TELEVISION APPAREILS CANADA GRR PART II TELEVISEUR CÂBLE COMPATIBLE, RGR PARTIE II, CANADA E030539009	M17b	WARNING LABEL	E030539009	—
This product contains lead. Dispose of this product in accordance with applicable environmental laws. For product recycling and disposal information, contact your local government agency or the Electronic Industries Alliance at www.eiae.org (in the US) or the Electronic Product Stewardship Canada at www.epsc.ca (in Canada). For more information, call *1-800-HITACHI* Ce produit contient du plomb. Disposez de ce produit en tenant compte des lois environnementales applicables. Pour de l'information sur le recyclage ou manière de disposer de ce produit, consultez vos autorités locales, Electronic Industries Alliance au www.eiae.org (USA) ou Recyclage des produits électroniques Canada au www.rpec.ca (Canada). Pour plus d'information appelez le *1-800-HITACHI* E030539011	M17c	LEAD DISPOSAL LABEL	E030539011	—
	M17d	TUNER LABEL	E642442100	—
	M17e	SWIVEL LABEL	E642444800	—
	M17f	PLASTIC HOOK	E642683000	—

32HDL52

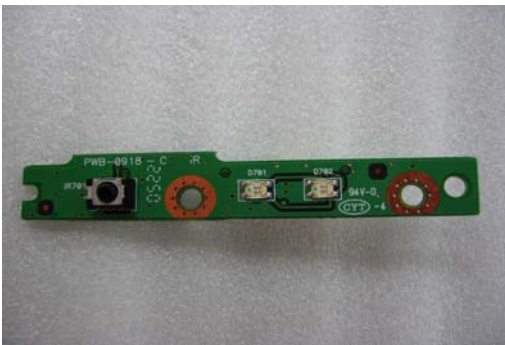
32HDL52

	M17g	AC CABLE CLAMP	E642682000	—
	M18	STAND ASSY	E642740800	QJ01722K
	M19	STAND SPT	E642741100	QJ01731K

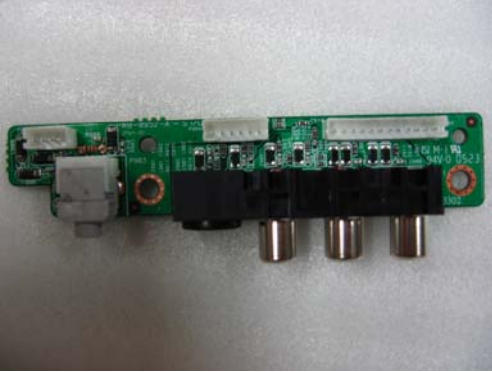
EE service part list with photo (32HDL52)

	Circuit No.	Description	Part No.	HITACHI Part NO.
	PB01	POWER MODULE + CASE FSP	F693006619	TE02952
	PB02	POWER MODULE	F693006623	TE02951

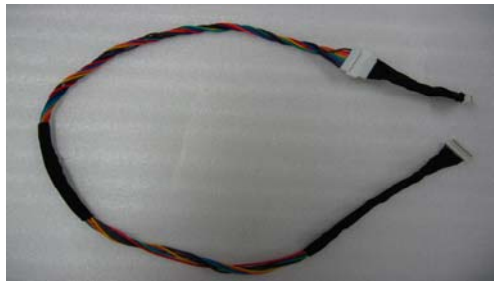
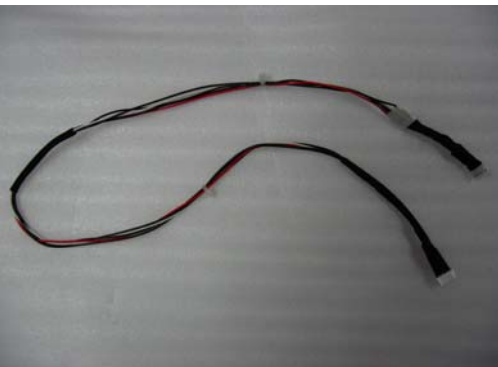
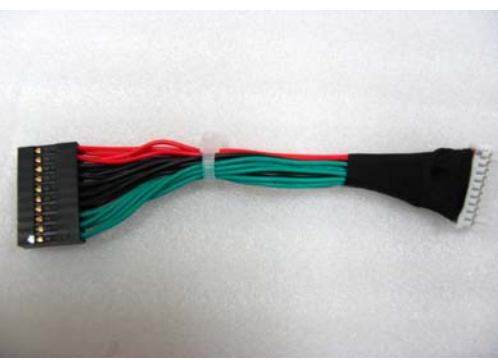
32HDL52

	DTV1	ASS'Y PCB(ZAT-520 MB ZINWELL)	5053911078	TE02461
	PWB -0887	ASSEMBLY, PCB-REAR I/O	5095670911	TE02961
	PWB -0918	ASSEMBLY, PCB-LED/IR	5097655601	TE02971
	PWB -0952-A	ASSEMBLY, PCB-MAIN	5098801066	TE02981
	PWB -0952-B	ASSEMBLY, PCB-KEY PAD	5098801067	TE02991

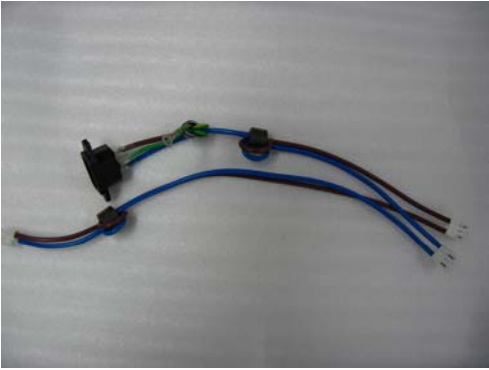
32HDL52

	PWB -0952-C	ASSEMBLY, PCB-AC SWITCH	5098801068	TE03001
	PWB -0952-D	ASSEMBLY, PCB-SIDE I/O	5098801069	TE03011
	P001A	Wire Ass'y W4/4P Conn.	E057404010	TE03021
	P005A	Wire Ass'y W30/30P Conn.	E057430022	TE03022
	P008A	Wire Ass'y W12/12P Conn.	E057412013	TE03023

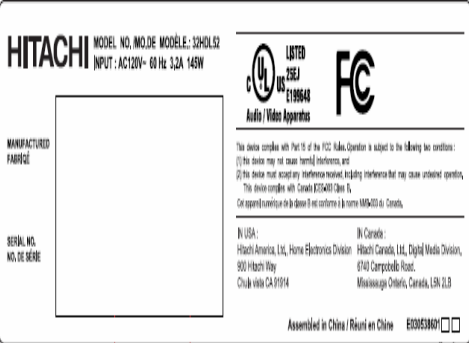
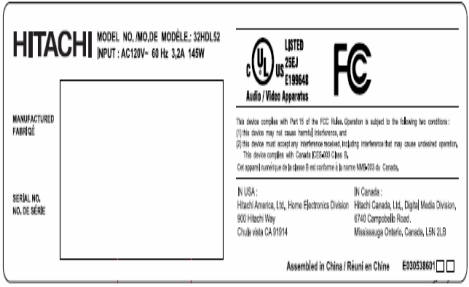
32HDL52

	P010A	Wire Ass'y W5/5P Conn.	E057405015	TE03024
	P011A	Wire Ass'y W8/8P Conn.	E057408008	TE03025
	P015A	Wire Ass'y W6/6P Conn.	E057406005	TE03026
	P019A	Wire Ass'y W20/12/6P Conn.	E057420008	TE03027
	P020A	Wire Ass'y W20/20P Conn.	E057420009	TE03028

32HDL52

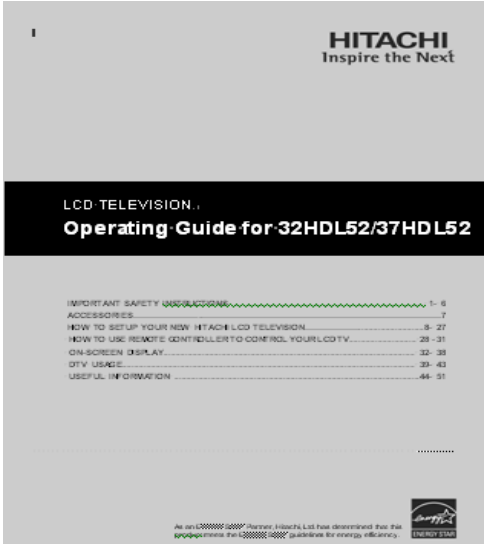
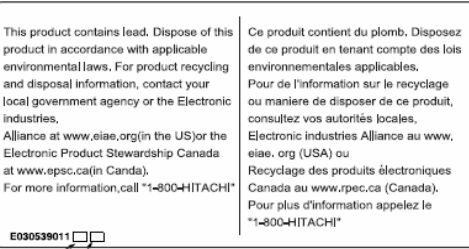
	P905A	Wire Ass'y W4/2P Conn.	E057404016	TE03029
	SW01A	Wire Ass'y Inlet W3P Conn.	E057403014	TE03031
	CN06A	Wire Ass'y W6/6P Conn.	E057406008	TE03032
	CN09A	Wire Ass'y W2/2P Conn.	E057402012	TE03033
	V901A	Wire Ass'y W12/12/12P Conn.	E057412014	TE03034

32HDL52

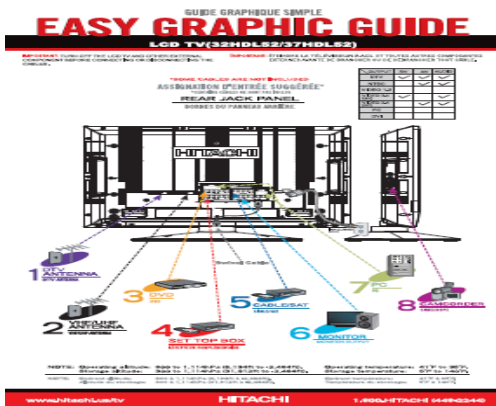
	V901B * Replace V901B and V901C at the same time.	32" INVERTER UNIT 6632L-0211A KLS-EE32CI- M	E053911106 * Replace E053911106 and E053911107 at the same time.	TE03061
	V901C * Replace V901B and V901C at the same time.	32" INVERTER UNIT 6632L-0212A KLS-EE32CI-S	E053911107 * Replace E053911106 and E053911107 at the same time.	TE03061
	SP01	Speaker Box Ass'y ORIENT	E055100006	TE03041
 HITACHI MODEL NO./NO. DE MODÈLE: 32HDL52 INPUT: AC120V~ 60 Hz 3.2A 145W LISTED UL ENEC CUL ENEC Audio / Video Apparatus FC This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) The device may not cause harmful interference, and (2) The device must accept any interference received, including interference that may cause undesired operation. This device complies with Canadian ICES Class B. Cet appareil conforme à la classe B ne doit pas causer d'interférence nuisible aux communications radio. Assembled in China / Révisé en Chine E030538701	2B01-M A	32"MODEL LABEL (TMX)	E030538701	TJ04151
 HITACHI MODEL NO./NO. DE MODÈLE: 32HDL52 INPUT: AC120V~ 60 Hz 3.2A 145W LISTED UL ENEC CUL ENEC Audio / Video Apparatus FC This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) The device may not cause harmful interference, and (2) The device must accept any interference received, including interference that may cause undesired operation. This device complies with Canadian ICES Class B. Cet appareil conforme à la classe B ne doit pas causer d'interférence nuisible aux communications radio. Assembled in China / Révisé en Chine E030538601	2B01-W A	32"MODEL LABEL (TCN)	E030538601	TJ04153

	BT01	Battery Alkaline	E050100002	—
	P101	Wire Ass'y VGA Signal Cable	E057315500	TE02271
	P102	Wire Ass'y RCA Cable	E057303500	TE02273
	P103	Wire Ass'y S-Video Cable	E057304500	TE02272
	P104	Swivel Cable	E057308500	TE02274

32HDL52

	P807	Power Cord UL I-Sheng	E056705900	TE02531
	RCU1	REMOTE CONTROL FORWARD	E052731080	TE03051
	Y001	USER'S MANUAL	E030037006	TE02555
	Y002	LEAD DISPOSAL LABEL	E030539011	TJ04161
	Y003	WARNING LABEL	E030539009	TJ04162

32HDL52

	Y004	QUICK SETUP GUIDE	E030037007	TE02556
	Y005	WARRANTY CARD(FOR CANADA)	E030230011	TE02561
	Y006	WARRANTY CARD(FOR USA)	E030230014	TE02562

Mechanical part list (37HDL52)
37HDL52

NO.	DESCRIPTION	PART NO.	HITACHI PART NO.	Q'TY.
M1	FRONT BEZEL ASSY	5095670925	TS06572	1
a	FRONT BEZEL	E641106400	—	1
b	IR LENS	E642853500	—	1
c	LED LENS	E642853600	—	1
d	LED METAL	E642741000	—	1
e	IPS LABEL	E642442200	—	1
f	ENERGY STAR LABEL	E642444300	—	1
M2	BASE CHASSIS ASSY	E648748100	NA76801K	1
M3	LCD MAIN BRACKET TATUNG	E642740300	TS06481	1
M4	BOTTOM COVER	E642740900	NA75403K	1
M5	POWER BUTTON ASSY	E642853100	PC06501K	1
M6	POWER SWITCH METAL	E642740600	TS06491	1
M7	POWER SWITCH BARRIER SHEET	E646521800	TS06501	1
M8	SHAFT SUPT	E642681700	TS06511	1
M9	SIDE INPUT ASSY	E642853800	PH35845	1
a	SIDE INPUT CASE	E642853200	—	1
b	SIDE INPUT BRACKET	E642740500	—	1
M10	SIDE CONTROL ASSY	E642853700	PH35831	1
a	SIDE CONT CASE	E642853300	—	1
b	SIDE CONT BRACKET	E642740400	—	1
c	CONTROL KEY	E642853400	—	1
M11	DIGITAL BOARD SHIELD	E646258301	TS06521	1
M12	MAIN BOARD SHIELD	E646258401	TS06531	1
M13	TERMINAL BOARD SHIELD	E646258600	TS06541	1
M14	TERMINAL BOARD ASSY	5095670926	TS06233	1
a	TERMINAL PANEL	E642324200	—	1
b	TERMINAL PANEL LABEL	E642442000	—	1
M15	TUNER PANEL	E642323901	TS06141	1
M16	POWER SOCKET BRACKET	E648746600	TS06551	1
M17	BACK COVER ASSY	5096954740	TS06601	1
a	BACK COVER	E641105700	—	1
b	WARNING LABEL	E030539009	—	1
c	LEAD DISPOSAL LABEL	E030539011	—	2

37HDL52

d	TUNER LABEL	E642442100	—	1
e	SWIVEL LABEL	E642444800	—	1
f	PLASTIC HOOK	E642683000	—	1
g	AC CABEL CLAMP	E642682000	—	1
M18	STAND ASSY	E642740800	QJ01722K	1
M19	STAND SPT	E642741100	QJ01731K	1
S1	PPW 4X8	G000311112	TS06561	5
S2	T2D3*12PZ+	G190563312	TS06562	17
S3	PZS 4x10	G134251456	TS06569	51
S4	PRWS 3X8	G136161152	TJ03775	22
S5	PP 3X6	G001170612	TS06563	23
S6	PZP 4X12	G134251686	TS06564	5
S7	PP+SW+PW 6X18	G190567618	TS06565	8
S8	BTBW 4X12	G000305112	TS06566	2
S9	PP 6X12	G001391616	TS06567	6
S10	PZP 3X8	G134161182	TS06568	2

Packing part list (37HDL52)

NO.	DESCRIPTION	PART NO.	HITACHI PART NO	Q'TY.
N1	Print CARTON	I513620156	TJ04142	1
N2	Carton Tray	I513624256	TJ04092	1
N3	EPS Bottom ASSY	I523620656	TJ04102	1
N3	EPS Bottom(BL)	I523620356	—	1
N3	EPS Bottom(BR)	I523620456	—	1
N4	EPS Top ASSY	I523620556	TJ04112	1
N4	EPS Top(TR)	I523620256	—	1
N4	EPS Top(TL)	I523620156	—	1
N5	EPE Bag	I533449956	TJ04122	1
N6	Clip PE Bag	I533251157	TJ03606	1
N7	Accessories BOX	I513614256	TJ04131	1
N8	Grip Joint	I534100356	TJ04071	4

Electrical part list (37HDL52)

NO.	DESCRIPTION	PART NO.	HITACHI PART NO	Q'TY.
PB01	POWER MODULE+CASE	F693006619	TE02952	1
PB02	POWER MODULE	F693006623	TE02951	1
DTV1	ASS'Y PCB (ZAT-520MB ZINWELL)	5053911078	TE02461	1
	ASSEMBLY,PCB-REAR I/O (PWB-0887)	5095670907	TE02962	1

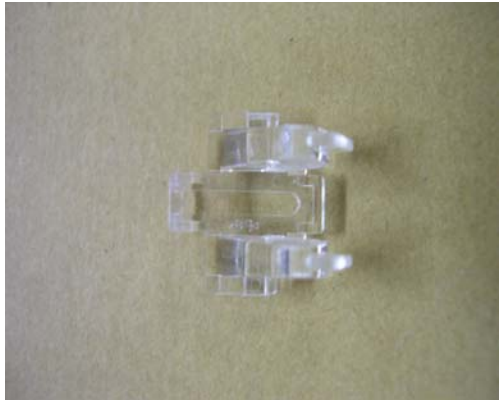
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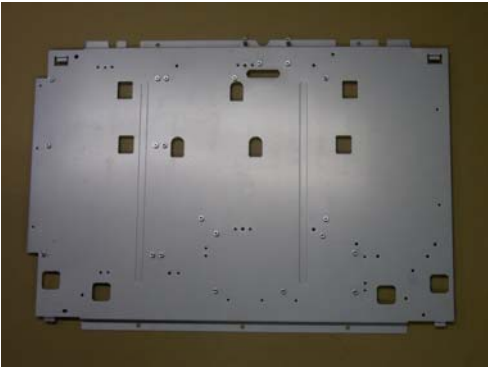
	ASSEMBLY,PCB-LED/IR (PWB-0918)	5097655601	TE02971	1
	ASSEMBLY,PCB-MAIN (PWB-0952-A)	5098801070	TE02982	1
	ASSEMBLY,PCB-KEY PAD (PWB-0952-B)	5098801071	TE02992	1
	ASSEMBLY,PCB-AC SWITCH (PWB-0952-C)	5098801072	TE03002	1
	ASSEMBLY,PCB-SIDE I/O (PWB-0952-D)	5098801073	TE03012	1
P001A	Wire Ass'y W4/4P Conn	E057404010	TE03021	1
P005A	Wire Ass'y W30/30P Conn.	E057430022	TE03022	1
P008A	Wire Ass'y W12/12P Conn.	E057412013	TE03023	1
P010A	Wire Ass'y W5/5P Conn.	E057405015	TE03024	1
P011A	Wire Ass'y W8/8P Conn.	E057408008	TE03025	1
P015A	Wire Ass'y W6/6P Conn.	E057406005	TE03026	1
P019A	Wire Ass'y W20/12/6P Conn.	E057420008	TE03027	1
P020A	Wire Ass'y W20/20P Conn.	E057420009	TE03028	1
P905A	Wire Ass'y W4/2P Conn.	E057404016	TE03029	1
SW01A	Wire Ass'y Inlet W3P Conn.	E057403014	TE03031	1
CN06A	Wire Ass'y W6/6P Conn.	E057406008	TE03032	1
CN09A	Wire Ass'y W2/2P Conn.	E057402012	TE03033	1
V901A	Wire Ass'y W12/12/12P Conn.	E057412014	TE03034	1
V901B * Replace V901B and V901C at the same time.	37" INVERTER UNIT 6632L-0201A KLS-EE37CI-M	E053911104 * Replace E053911104 and E053911105 at the same time.	TS06372	1
V901C * Replace V901B and V901C at the same time.	37" INVERTER UNIT 6632L-0202A KLS-EE37CI-S	E053911105 * Replace E053911104 and E053911105 at the same time.	TS06372	1
SP01	Speaker Box Ass'y ORIENT	E055100006	TE03041	1
2B01-MA	37"MODEL LABEL (TMX)	E030538702	TJ04152	1
2B01-WA	MODEL LABEL (TCN)	E030538601	TJ04153	1
BT01	Battery Alkaline (HITACHI)	E050100002	—	2
P101	Wire Ass'y VGA Signal Cable	E057315500	TE02271	1

37HDL52

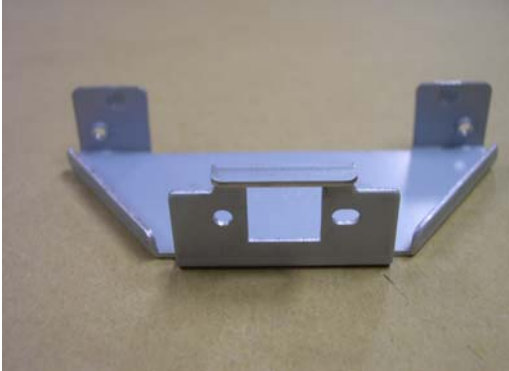
P102	Wire Ass'y RCA Cable	E057303500	TE02273	1
P103	Wire Ass'y S-Video Cable	E057304500	TE02272	1
P104	Swivel Cable	E057308500	TE02274	1
P807	Power Cord UL I-Sheng	E056705900	TE02531	1
RCU1	REMOTE CONTROL FORWARD	E052731080	TE03051	1
Y001	USER'S MANUAL	E030037006	TE02555	1
Y002	LEAD DISPOSAL LABEL	E030539011	TJ04161	1
Y003	WARNING LABEL	E030539009	TJ04162	1
Y004	QUICK SETUP GUIDE	E030037007	TE02556	1
Y005	WARRANTY CARD(FOR CANADA)	E030230011	TE02561	1
Y006	WARRANTY CARD(FOR USA)	E030230014	TE02562	1
Y007	Cleaning Cloth	5000100118	TJ04171	2

37HDL52

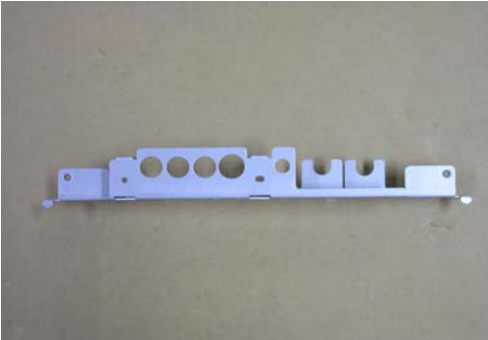
	Circuit No.	Description	Part No.	HITACHI Part NO.
	M1	FRONT BEZEL ASSY	5095670925	TS06572
	M1a	FRONT BEZEL	E641106400	—
	M1b	IR LENS	E642853500	—
	M1c	LED LENS	E642853600	—

	M1d	LED METAL	E642741000	—
	M1e	IPS LABEL	E642442200	—
	M1f	ENERGY STAR LABEL	E642444300	—
	M2	BASE CHASSIS ASSY	E648748100	NA76801K
	M3	LCD MAIN BRACKET TATUNG	E642740300	TS06481

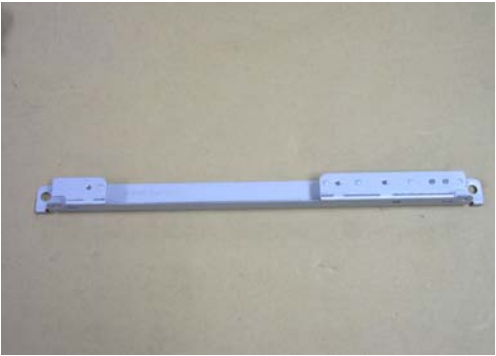
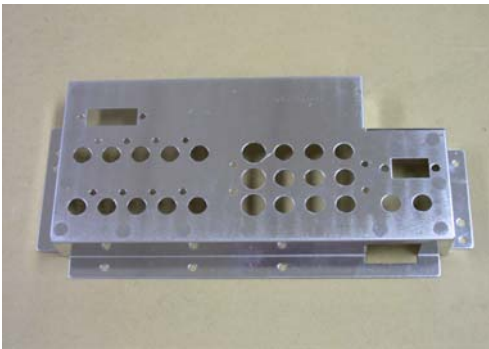
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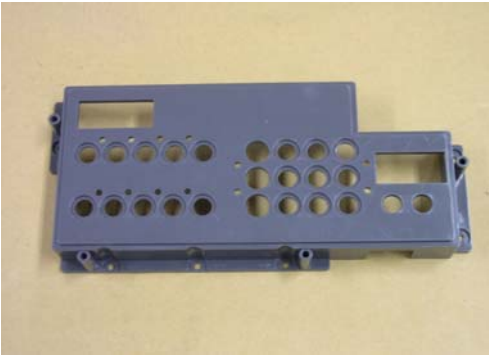
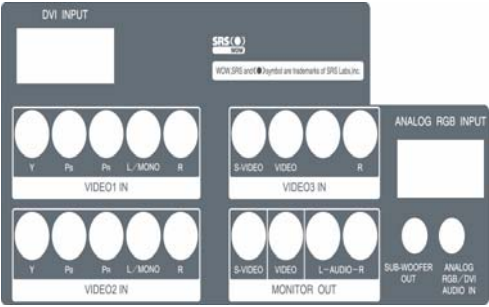
	M4	BOTTOM COVER	E642740900	NA75403K
	M5	POWER BUTTON ASSY	E642853100	PC06501K
	M6	POWER SWITCH METAL	E642740600	TS06491
	M7	POWER SWITCH BARRIER SHEET	E646521800	TS06501
	M8	SHAFT SUPT	E642681700	TS06511

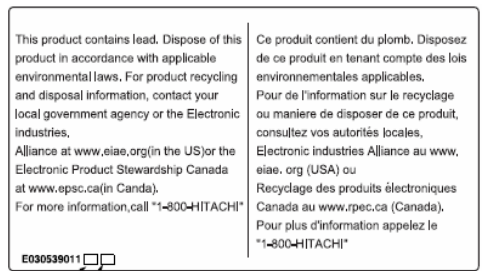
37HDL52

	M9	SIDE INPUT ASSY	E642853800	PH35845
	M9a	SIDE INPUT CASE	E642853200	—
	M9b	SIDE INPUT BRACKET	E642740500	—
	M10	SIDE CONTROL ASSY	E642853700	PH35831
	M10a	SIDE CONT CASE	E642853300	—

37HDL52

	M10b	SIDE CONT BRACKET	E642740400	—
	M10c	CONTROL KEY	E642853400	—
	M11	DIGITAL BOARD SHIELD	E646258301	TS06521
	M12	MAIN BOARD SHIELD	E646258401	TS06531
	M13	TERMINAL BOARD SHIELD	E646258600	TS06541

	M14	TERMINAL BOARD ASSY	5095670926	TS06233
	M14a	TERMINAL PANEL	E642324200	—
	M14b	TERMINAL PANEL LABEL	E642442000	—
	M15	TUNER PANEL	E642323901	TS06141
	M16	POWER SOCKET BRACKET	E648746600	TS06551

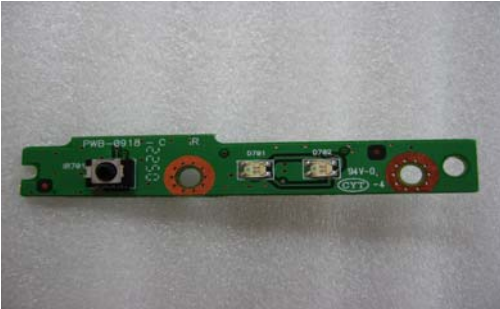
	M17	BACK COVER ASSY	5096954740	TS06601
	M17a	BACK COVER	E641105700	—
	M17b	WARNING LABEL	E030539009	—
	M17c	LEAD DISPOSAL LABEL	E030539011	—
	M17d	TUNER LABEL	E642442100	—
	M17e	SWIVEL LABEL	E642444800	—

37HDL52

	M17f	PLASTIC HOOK	E642683000	—
	M17g	AC CABEL CLAMP	E642682000	—
	M18	STAND ASSY	E642740800	QJ01722K
	M19	STAND SPT	E642741100	QJ01731K

37HDL52

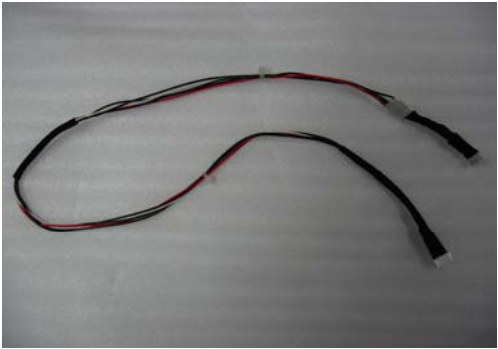
EE service part list with photo(37HDL52)

	Circuit No.	Description	Part No.	HITACHI Part NO.
	PB01	POWER MODULE + CASE FSP	F693006619	TE02952
	PB02	POWER MODULE	F693006623	TE02951
	DTV1	ASS'Y PCB(ZAT-520 MB ZINWELL)	5053911078	TE02461
	PWB -0887	ASSEMBLY,P CB-REAR I/O	5095670907	TE02962
	PWB -0918	ASSEMBLY, PCB-LED/IR	5097655601	TE02971

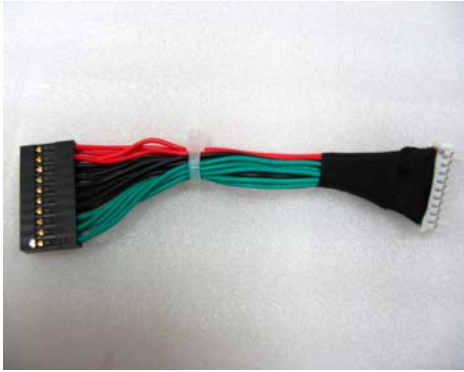
37HDL52

	PWB -0952-A	ASSEMBLY, PCB-MAIN	5098801070	TE02982
	PWB -0952-B	ASSEMBLY, PCB-KEY PAD	5098801071	TE02992
	PWB -0952-C	ASSEMBLY, PCB-AC SWITCH	5098801072	TE03002
	PWB -0952-D	ASSEMBLY, PCB-SIDE I/O	5098801073	TE03012
	P001A	Wire Ass'y W4/4P Conn.	E057404010	TE03021

37HDL52

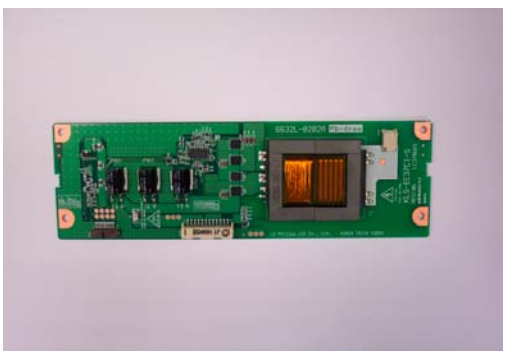
	P005A	Wire Ass'y W30/30P Conn.	E057430022	TE03022
	P008A	Wire Ass'y W12/12P Conn.	E057412013	TE03023
	P010A	Wire Ass'y W5/5P Conn.	E057405015	TE03024
	P011A	Wire Ass'y W8/8P Conn.	E057408008	TE03025
	P015A	Wire Ass'y W6/6P Conn.	E057406005	TE03026

37HDL52

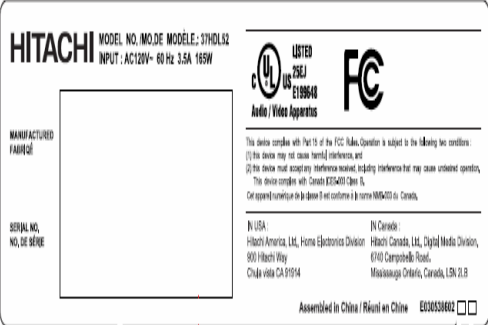
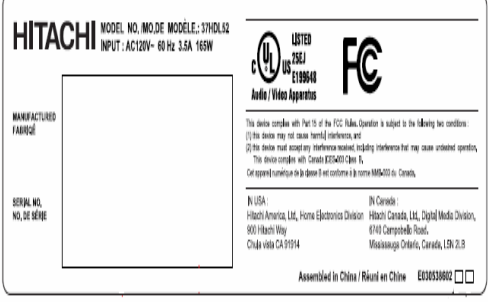
	P019A	Wire Ass'y W20/12/6P Conn.	E057420008	TE03027
	P020A	Wire Ass'y W20/20P Conn.	E057420009	TE03028
	P905A	Wire Ass'y W4/2P Conn.	E057404016	TE03029
	SW01A	Wire Ass'y Inlet W3P Conn.	E057403014	TE03031
	CN06A	Wire Ass'y W6/6P Conn.	E057406008	TE03032

37HDL52

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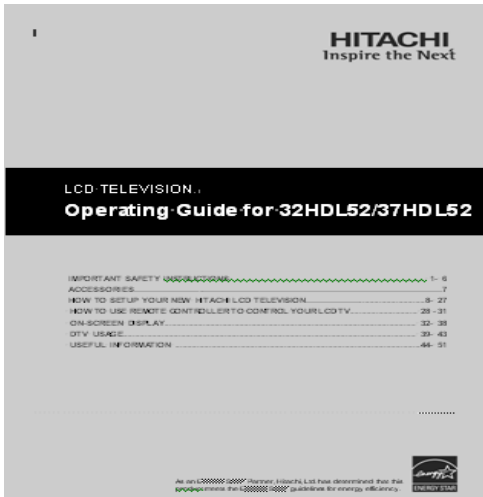
	CN09A	Wire Ass'y W2/2P Conn.	E057402012	TE03033
	V901A	Wire Ass'y W12/12/12P Conn.	E057412014	TE03034
	V901B * Replace V901B and V901C at the same time.	37" INVERTER UNIT 6632L-0201A KLS-EE37CI- M	E053911104 * Replace E053911104 and E053911105 at the same time.	TS06372
	V901C * Replace V901B and V901C at the same time.	37" INVERTER UNIT 6632L-0202A KLS-EE37CI-S	E053911105 * Replace E053911106 and E053911107 at the same time.	TS06372
	SP01	Speaker Box Ass'y ORIENT	E055100006	TE03041

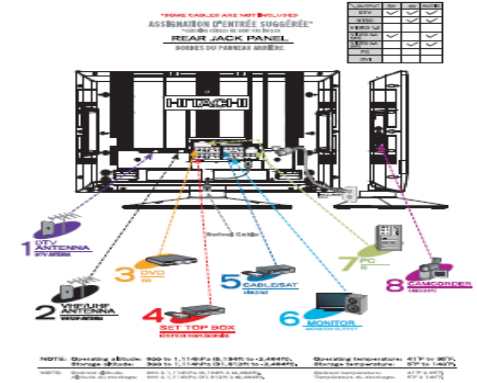
37HDL52

 HITACHI MODEL NO. / NO. DE MODÈLE : 37HDL52 INPUT : AC120V~ 60 Hz 3.5A 165W MANUFACTURED FABRIQUÉ SERIAL NO. NO. DE SÉRIE LISTED UL US E199648 Audio / Vidéo Appareils FCC This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) This device must accept any interference received, including interference that may cause undesired operation. This device complies with Canada ICES-003 Class B. Cet appareil fonctionne de la classe B et conforme à la norme NMB-003 du Canada. N USA: Hitachi America, Ltd., Home Electronics Division, 800 Hitachi Way, Chula Vista CA 91914 N Canada: Hitachi Canada, Ltd., Digital Media Division, 6740 Campbellville Road, Mississauga Ontario, Canada, L5N 3J3 Assembled in China / Réuni en Chine E030538702 ☐	2B01-M A	37" MODEL LABEL (TMX)	E030538702	TJ04152
 HITACHI MODEL NO. / NO. DE MODÈLE : 37HDL52 INPUT : AC120V~ 60 Hz 3.5A 165W MANUFACTURED FABRIQUÉ SERIAL NO. NO. DE SÉRIE LISTED UL US E199648 Audio / Vidéo Appareils FCC This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) This device must accept any interference received, including interference that may cause undesired operation. This device complies with Canada ICES-003 Class B. Cet appareil fonctionne de la classe B et conforme à la norme NMB-003 du Canada. N USA: Hitachi America, Ltd., Home Electronics Division, 800 Hitachi Way, Chula Vista CA 91914 N Canada: Hitachi Canada, Ltd., Digital Media Division, 6740 Campbellville Road, Mississauga Ontario, Canada, L5N 3J3 Assembled in China / Réuni en Chine E030538601 ☐	2B01-W A	37" MODEL LABEL (TCN)	E030538601	TJ04153
	BT01	Battery Alkaline	E050100002	—
	P101	Wire Ass'y VGA Signal Cable	E057315500	TE02271
	P102	Wire Ass'y RCA Cable	E057303500	TE02273

37HDL52

37HDL52

	P103	Wire Ass'y S-Video Cable	E057304500	TE02272
	P104	Swivel Cable	E057308500	TE02274
	P807	Power Cord UL I-Sheng	E056705900	TE02531
	RCU1	REMOTE CONTROL FORWARD	E052731080	TE03051
	Y001	USER'S GUIDE	E030037006	TE02555

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HITACHI AMERICA, LTD., HOME ELECTRONICS DIVISION. CAUTION RISK OF ELECTRIC SHOCK DO NOT OPEN MISE EN GARDE RISQUE DE CHOC ÉLECTRIQUE NE PAS OUVRIR AVERTISSEMENT POUR MAINTENIR LE DEGRÉ DE SÉCURITÉ DE L'APPAREIL: NE REMPLACER LES COMPOSANTS DONT LE FONCTIONNEMENT EST CRITIQUE POUR LA SÉCURITÉ QUE PAR DES PIÈCES RECOMMANDÉES PAR LE FABRICANT (CONSULTER LE CHAPITRE D'INSTRUCTIONS) WARNING FOR CONTINUED SAFETY: REPLACE SAFETY CRITICAL COMPONENTS ONLY WITH MANUFACTURER'S RECOMMENDED PARTS (REFER TO SERVICE LITERATURE). FOR CANADA MODEL ONLY CABLE COMPATIBLE TELEVISION APPAREILS CANADA (GR PART II) TÉLÉVISEUR CÂBLE COMPATIBLE (GR PARTIE II CANADA) E030539009 	Y003	WARNING LABEL	E030539009	TJ04162
GUIDE GRAPHIQUE SIMPLE EASY GRAPHIC GUIDE LCD TV (32HDL52/37HDL52) REAR JACK PANEL DOSSIERS DU PANNEAU ARRIÈRE  NOTES: Operating voltage: 110V/60Hz (USA) or 220V/50Hz (Canada). Storage temperature: -20°C to 60°C. Humidity: 10% to 90% RH. Weight: 11.5kg (25.3lb) (USA) or 12.5kg (27.5lb) (Canada). Dimensions: 860mm (33.9") x 580mm (22.8") x 100mm (3.9") (USA) or 860mm (33.9") x 580mm (22.8") x 100mm (3.9") (Canada). www.hitachi.com HITACHI 1-800-HITACHI 4482344	Y004	QUICK SETUP GUIDE	E030037007	TE02556
HITACHI LCD FLAT PANEL TV TÉLÉVISEUR À PANNEAU PLAT À ACL YOUR WARRANTY VOTRE GARANTIE HITACHI Inspire the Next HITACHI CANADA LTD DIGITAL MEDIA DIVISION 1-888-888-8888 IMPORTANT NOTICE: This warranty will not apply to products purchased outside of Canada OR sold by any organization other than HITACHI CANADA LTD.	Y005	WARRANTY CARD(FOR CANADA)	E030230011	TE02561
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